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·	Г	T-	T	<u></u>	_	Г	]	1	1	T -	Т	T	T	Т	T	ī	Т	Т	Г	Г	Г	Г	စ္ဆ	ω		Г	Γ	Г	Γ	Γ	
Top Hit Descriptor	UHH-BW1-ani-a-10-0-Ui.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE:3082267 3:	zx80c03.r1 Sogres overy fumor NbHOT Homo sapiens cDNA clone IMAGE:810052 51	fmfc7 Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR17-28	TCBAP1D3842 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA Homo	sepiens cDNA clane TCBAP3842	no18g01.s1 NCI_CGAP_Phe1 Homo sepiens cDNA clone IMAGE:11010723'	no18g01.s1 NCL_CGAP_Phet Homo sapiens cDNA clane IMAGE:1101072.31	Homo saplens mRNA for KIAA1501 protein, partial cds	Homo sapiens mRNA for KIAA1501 protein, partial cds	Home expliens v-rel avian retroulcendotheliosis viral oncogene homolog A (nuclear factor of kappa light notweetide nene enhancer in Bucels 3 (nets) (RELA) mRNA	AV743451 CB Homo septems oDNA clone CBCCGG10 5'	UI-H-BI2-sql-b-11-0-UI st NCI CGAP Sub4 Homo sapiens cDNA clone IMAGE:2724453 3'	2x80c03.r1 Scares ovary tumor NbHOT Homo saplens cDNA clone IMAGE:810052 67	601305064F1 NIH_MGC_39 Homo sepiens cDNA clone IMAGE:3639782 5'	Homo sapiens cisplatin resistance-associated overexpressed protein (LOC51747), mRNA	Homo sapiens amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease) (APP), mRNA	Homo saplens EBNA-2 co-activetor (100kD) (p100), mRNA	Homo sapiens EBNA-2 co-activator (100kD) (p100), mRNA	Homo saplens RNA binding motif protein 6 (RBM6) mRNA	Homo sapiens chromosome 21 segment HS21C102	Homo sapiens chromosome 21 segment HS21C046	Human endogenous retroviral DNA (4-1), complete retroviral segment	te17-501 xt NOL CGAP_Co16 Homo sapiens cDNA clone IMAGE:2075904 3' similar to TR:O14589 O14599 SIMILARITY TO U73941:	td17c01.x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE;2076904 3' similar to TR:014588 O14588	SIMILARITY TO U73841;	Homo sapiens NF2 gene	Homo sapiens mRNA for KIAA1071 protein, partial cds	Homo sapiens mRNA for KIAA1071 protein, partial cds	Homo sapiens huntingtin (Huntington disease) (HD) mRNA	Homo sapiens mitogen-activated protein kinase kinase kinase 13 (MAP3K13), mRNA	Homo saplens mitogen-activated protein kinaso kinase kinase 13 (MAP3K13), mRNA
Top Hit Database Source	EST_HUMAN	EST HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST HUMAN	LN-	LN LN	ļ Ļ	FST HIMAN	EST HUMAN	EST HUMAN	EST HUMAN	Į.	۲	LN	N	Z-	LN	LN	TN	EST HUMAN		EST_HUMAN	ΤN	NT	NT	Fa	N1	LN
Top Hit Acession No.	3.0E-48 BF514170.1	2.0E-48 AA465007.1	2.0E-48 AA631940.1		2.0E-48 BE246065.1	2.0E-48 AA613171.1	2.0E-48 AA613171.1	2.0E-48 AB040934.1	2.0E-48 AB040934.1	11406238 NT	2 0F-48 AV743451 1	2.0E-48 AW291799.1	Γ	Γ	7708534 NT	4502166 NT	7857430 NT	7657430 NT	5032032 NT	1.0E-48 AL163302.2	1.0E-48 AL163246.2		1.0E-48 A1889077.1		.1		1.0E-48 AB028994.1	1.0E-48 AB028994.1	4755137 NT	4758695 NT	4758695 NT
Most Similar (Top) Hit BLAST E Value	3.0E-48	2.0E-48	2.0E-48/		2.0E-48	2.0E-48 A	2.0E-48	2.0E-48/	2.0E-48	2 OF-48	2 OF-48 /	2.0E-48 A	2.0E-48/	2.0E-48 E	1.0E-48	1.0E-48	1.0E-48	1.0E-48	1.0E-48	1.0E-48	1.0E-48	1.0E-48 M10976.1	1.0E-48		1.0E-48	1.0E-48 Y18000.1	1.0E-48	1.0E-48 /	1.05-48	1.0E-48	1.0E-48
Expression Signal	8.1	0.68	1.7		0.99	0.64	0.64	3.99	3.99	6. 45.6	1 13	1.38	2.98	1.25	2.33	4.67	1.52	1.62	4.01	13.8	0.94	1.1	1.24		1.24	0.87	0.59	0.69	2.21	0.65	0.65
ORF SEQ ID NO:	37818				30774	32433	32434		34237	34253		L	26246	١	26311	27137							32948		32949		33274	33275			35652
Exan SEQ IO NO:	1	13244	13285		17790	19121	19121	20753	20753	20768	21631	25089	13244	)	13295	14072	1	14266	14481	15111	16742	18362	19586		19586	19788	19883	19883	1		22110
Probe SEQ ID NO:	11114	9	46		4654	5935	5935	7688	7688	7703	8550	12109	12320	12674	57	896	1101	1101	1324	1968	3577	5240	6417		6417	6628	6727	6727	7407	9031	9031

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Top Hit Descriptor	Homo sapiens Chediak-Higashi syndrome 1 (CHS1) mRNA	Homo sapiens mRNA for KIAA1245 protein, partial cds	601888096F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:4122119 5	Homo sepiens B cell linker protein (SLP65), mRNA	Homo sapiens B cell linker protein (SLP65), mRNA	13d6 Human retina oDNA randomly primed sublibrary Homo saplans cDNA	Mus musculus MysPDZ mRNA for myosin containing PDZ domain, complete cds	Mus musoulus T-bax 20 (Tbx20), mRNA	Mus musculus T-box 20 (Tbx20), mRNA	Human inosital 1,4,5 trisphosphate receptor type 1 mRNA, partial cds	Homo saplens gene for activin receptor type IIB, complete cds	ts38d12,x1 NCL_CGAP_Ut4 Homo sepiens cDNA clone IMAGE:2230871 3' similar to contains Alu repetitive	element; contains element PTR5 repetitive element;	ob78a08.s1 NCI_CGAP_GCB1 Homo saplens cDNA clone IMAGE:1337462 3'	Homo septens proteasoma (prosome, macropath) 26S subunit, ATPase, 4 (PSMC4) mRNA	Homo sapiens proteasone (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) mRNA	Homo sapiens proteasone (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) mRNA	Homo sapiens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) mRNA	Homo sapiens proteasone (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) mRNA	Homo saplens proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) mRNA	Homo sapiens chromosome 21 segment HS210084	HYPOTHETICAL PROTEIN DJ845024.3	M755h04.x1 Soares_NFL_T_GBC_S1 Homo saptens cDNA clone IMAGE:23596653 3' similar to TR:054923 IO54923 RSEC15. :	DKFZp762C033_s1 762 (synonym: hmel2) Homo saplens cDNA clone DKFZp762C033 3'	wf25h04.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA done IMAGE:2356663 3' similar to TR:054923	054923 RSEC15.;	ba65g05.x1 NIH_MGC_10 Homo sepiens cDNA clone IMAGE:2800504.3' similar to gb:X17206.40S	RIBOSOMAL PROTEIN S4 (HUMAN); go: MZ063Z Mouse LLKep3 protein mikina from a repenitive element.	complete (MOUSE);	DKFZp761A138_s1 761 (synonym: hamy2) Homo saplens cDNA clone DKFZp761A138 3	hd44e02.xf Soares_NFL_T_GBC_S1 Horno sapiens cDNA clone IMAGE;2912378 3' similar to TR:095636   095636 CAMP-REGULATED GUANINE NUCLEOTIDE EXCHANGE FACTOR II. ;	AU140742 PLACE4 Homo saplens cDNA clone PLACE4000148 5
Top Hit Database Source	TN	IN	EST_HUMAN	INT	NT	EST_HUMAN	۲N	NT	NT	NT	NT		EST HUMAN	EST_HUMAN	LΝ	LN	NT	NT	NT	NT	L	SWISSPROT	EST HIMAN	EST HUMAN		EST_HUMAN			EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	4502838 NT	1.0E-48 AB033071.1	1.0E-48 BF304683.1	11429808 NT	11429808 NT	1.0E-48 W26785.1	8.0E-49 AB026497.1	10048417 NT	10048417 NT	8.0E-49 U23850.1	8.0E-49 AB008681.1		8.0E-49 AI623722.1	8.0E-49 AA872183.1	5729990 NT	5729990 NT	5729990 NT	1N 0686275	1N 0866273	5729990 NT	7.0E-49 AL163284.2	060811	7 OF 49 A1807191 1	7 0F 49 AL 120937 1		7.0E-49 AI807191.1			6.0E-49 AW731740.1	6.0E-49 AL162091.1	6.0E-49 AW511225.1	6.0E-49 AU140742.1
Most Similar (Top) Hit BLAST E Value	1.0E-48	1.0E-48/	1.0E-48	1.0E-48	1.0E-48	1.0E-48	8.0E-49	8.0E-49	8.0E-49	8.0E-49	8.0E-49		8.0E-49	8.0E-49	7.0E-49	7.0E-49	7.0E-49	7.0E-49	7.0E-49	7.0E-49	7.0E-49	7.0E-49 O60811	7.05.40	7 DE 49		7.0E-49			6.0E-49	6.0E-49	6.0E-49	6.0E-49
Expression Signal	66.0	6.79	4.74	4.23	4.23	1.41	76.0	3.07	3.07	3.09	0.93		3.65	2.08	1.21	1.21	1.82	1.62	2.25	2.25	4.37	6.0	, 23	13		0.79			20.33	0.64	0.64	1.27
ORF SEQ ID NO:	36053	36089	36399					32701		35109			37804					26638					400	1	2	31815			26456		_	33113
Exon SEQ ID NO:	22488	22525	22821	23616	23616	26014	l	ŀ	1	21572	23231		24169	25077	13602	13602		١.	13602	1	ı	1	1	1	1	18771	1			17378		1 1
Probe SEQ ID NO:	9414	9468	9781	10581	10581	12282	2064	6178	6178	8491	10194		11096	12097	142	142	405	405	408	408	1248	4772	2530	93,0	3	5926			202	4231	5954	6572

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Hit Descriptor Toe	MAN UI-H-Bi3-alo-a-05-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:3068048 3'	MAN EST77525 Pancreas tumor III Homo sapiens cDNA 5' end		HUMAN   p729cd8.s1 Soares_fetal_liver_spleen_1NPLS_S1 Homo sapiens cDNA clone IMAGE:451694 3	Homo sapiens chromosome 21 segment HS21C010	Homo sapiens chromosome 21 segment HS21C010	2p28c07.r1 Stratagens neuroepithelium (#937231) Homo sapiens cDNA clone IMAGE:610860 5' similar to TR:G233226 G233226 RTVL-H PROTEIN, ;contains LTR7,t9 LTR7 repetitive element;	Homo sapiens putative tumor suppressor ST13 (ST13) mRNA, complete cds	Homo sapiene similar to ribosomal protein S27 (metallopenstimulin 1) (H. sapiens) (LOC63362), mRNA	### ### ### ### ### ### ### ### #### ####	Τ	Homo sapiens mRNA for ankyrin B (440 kDa)	Homo sapiens UDP-N-acetyl-alpha-D-galactosamine;polypeptide N-acetylgalactosaminyltransferase 8 (GalNAo-T8) (GALNT8), mRNA	Homo sapiens UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 8 (GalNac-T8) (GALNT8), mRNA	Homo saplens KIAA0623 gene product (KIAA0623), mRNA	Homo sapiens copine III (CPNE3), mRNA	Homo saplens copine III (CPNE3), mRNA	MAN   Z90705.11 NCI_CGAP_GCB1 Homo saplens cDNA clone IMAGE:682977 5'	Homo saplens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	H.sapiens mRNA for acety-CoA carboxylase	T	П		HUMAN EST25612 WATM1 Homo sepiens cDNA done 25612	HUMAN   EST42572 Endometrial tumor Homo sapiens oDNA 6' end	П	HUMAN   yz23d08.r1 Soares melanczyte 2NbHM Homo sapiens cDNA clone IMAGE:262571 5'
Top Hit Database Source	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	L.	LΝ	TN	EST_HUMAN	IN	뉟	FST HIMAN	N FN	N.	LN T	Ŋ	FN.	LN	N F	EST_HUMAN	Ę	N		EST HUMAN	Þ			EST_HU	EST_HU
Top Hit Acession No.	6.0E-49 AW452218.1	6.0E-49 AA366556.1	6.0E-49 AA366556.1	6.0E-49 AA707567.1	5.0E-49 AL163210.2	5.0E-49 AL 163210,2	5.0E-49 AA172121.1	5.0E-49 U17714.1	11436355,NT	4 0E-49 AW189533 1	4.0E-49 226634.2	4.0E-49 Z26634.2	11526737 NT	11525737 NT	7662209 NT	11425374 NT	11425374 NT	4.0E-49 AA210798,1	4 0F-40 AF240788 1	3.0E-49 X68968.1		3.0E-49 AA016131.1	3.0E-49 U46999.1	3.0E-49 H39479.1	3.0E-49 AA337561.1	2.0E-49 BE165980.1	2.0E-49 N26446,1
Most Similar (Top) Hit BLAST E Value	6.0E-49	6.0E-49	6.0E-49	6.0E-49	5.0E-49	5.0E-49	5.0E-49	5.0E-49	5.0E-49	4 0F-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4 0F 40	3.0E-49		3.0E-49	3.0E-49	3.0E-49	3.0E-49	2.0E-49	2.0E-49
Expression Signal	3.39	2.48	2.48	10.54	5.84	5.84	10.18	7.1	7.59	28.39	0.96	96.0	0.68	0.68	0,69	0.47	0.47	2.74	2.03	0.91		2.73	2.68	9.83	1.41	1.93	1.15
ORF SEQ ID NO:	38291				26951	28952	28082	28032	29533	26754	33939	33940	33970	33971	34554	35690	35691			26789			31198	34127	38316		29487
SEO ID NO:	24612	24946	24946	25897	13912	13912	14983	15922	16519	13734	į –	l	20499	20499	ı	ı	22144	26145	25413	1		1	- 1			13864	
Probe SEQ ID NO:	11557	11961	11961	12870	730	730	1836	2808	3346	538	7395	7395	7422	7422	7992	9065	3065	12514	12815	574		2713	5098	7577	11582	678	3294

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Table 4
Single Exon Probes Expressed in Placenta

					Sing.	EXOU Prope	Single Exon Probes Expressed in Placenta
Probe SEQ ID NO:	Exan SEQ (D NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
3659	16822		0.86	2.0E-49	2.0E-49 AF026564.1	LN	Homo sapiens RNA binding protein II (RBMII) gene, complete cds
6875	20027	33437	1.2	2.0E-49	2.0E-49 AV717938.1	EST_HUMAN	AV717938 DCB Homo septiens cDNA clone DCBALB01 5
8291	١.		1.87	2.0E-49		EST HUMAN	EST02558 Fetal brain, Stratagene (cat#936206) Homo capiens cDNA clone HFBCY60
12626	26008		2.69	2.0E-49			Homo sapiens SNCA isoform (SNCA) gene, complete cds, alternatively spliced
922	14097		9.1	1.0E-49	1.0E-49 BF035327.1	EST HUMAN	601458531F1 NIH_MGC_66 Homo sepiens cDNA done IMAGE:3862086 57
1584	14736		73.58		7887	TN	Homo saplens keratin 18 (KRT18) mRNA
1844	14990				1.0E-49 BE255216.1	EST_HUMAN	601115769F1 NIH_MGC_16 Homo sapiens cDNA clone IMAQE:3356273 5
5476	18674	L	4.68		1.0E-49 BF131007.1	EST_HUMAN	601820053F1 NIH_MGC_58 Homo saplens cDNA clone IMAGE:4052052 5'
coca		20708			1 NE 40 H18201 1	EST HIMAN	yn48h04.r1 Soares adult brain N2b5HB55Y Homo saptens cDNA clone IMAGE:171703 6' similar to SP:081G1 HUMAN 008447 GUANINE NUCLEOTIDE-BINDING PROTEIN G(T) GAMMA-1 SUBUNIT :
6208				1.06-49	100	EST HUMAN	EST376713 MAGE resequences, MAGH Homo sapiens cDNA
7272	ı	l		4 OF 40	ł	FST HIMAN	601290330F1 NIH MGC 8 Homo sapiens cDNA clone IMAGE:3820863 5
7372	20451	33916			Γ	EST HUMAN	601290330F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3620863 5'
	1					1	w78g12.s1 Soares_placenta_8to8weeks_2NbHP8to9W Homo saplens cDNA clone IMAGE:258406.3'
7453	20530	34003	2.09		1.0E-49 N25884.1	EST_HUMAN	similar to gb:X65973 KINESIN HEAVY CHAIN (HUMAN);
7453	20530	34004	2.09		1.0E-49 N25884.1	EST HUMAN	/w/79g12.s1 Sogres_plezenta_8to9weeks_2NbHP8tb9W Homo sepiens oDNA olone IMAGE:258406 3' similar to gb:X65873 KINESIN HEAVY CHAIN (HUMAN);
8874	1		0.71		1 9994184 NT	LN	Homo sepiens RNA binding motif protein 7 (LOC61120), mRNA
9193	L	35809		1.0E-49	1.0E-49 BE409340.1	EST_HUMAN	601300992F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3635398 5'
10331	L			1.0E-49	1.0E-49 AL043129.2	EST_HUMAN	DKFZp434D2423_71 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434D2423 5
11304	L	İ_			1.0E-49 AV751477.1	EST_HUMAN	AV751477 NPD Homo sapiens cDNA clone NPDAWE04 5
11590	24843		2.91	1.0E-49	11427366 NT	TN	Homo sapiens brefeldin A-inhibited guanine nucledide-exchange protein 1 (BIG1), mRNA
12148	!		1.26		1.0E-49 BE159343.1	EST_HUMAN	MRO-HT0407-010200-008-f02 HT0407 Hamo sapiens cDNA
12508	25349		1.82	1.0E-49	11418322 NT	LN7	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA
6109	l		0.92		9.0E-50 AF101475.1	LN	Homo sapiens glycine N-methyltransferase (GNMT) gene, complete cds
6534	26215		0.63		9.0E-50 BE295758.1	EST_HUMAN	601176250F1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE:3531588 5'
174	L				8.0E-50 AL163202.2	TN	Homo sapiens chromosome 21 segment HS21C002
737	L	ł			8.0E-50 X95097.2	LN LN	Homo sapiens mRNA for VIP receptor 2
737	L					LN	Homo saplens mRNA for VIP receptor 2
1803	14952		4.32	8.0E-50	4501890 NT	LN	Homo sapiens actinin, alpha 1 (ACTN1) mRNA
2552	15677	L		8.0E-50	7706394 NT	TN	Homo sepiens p47 (LOC51674), mRNA
2552	1	L		8.0E-50	T706394 NT	LN	Homo sepiens p47 (LOC51674), mRNA
2764	15879				1826658	NT	Homo sapiens capping protein (actin filament) muscle Z-line, beta (CAPZB), mRNA
2891	15160		2.67		8.0E-50 D90334.1	LN.	Homo saplens hepatocyte growth factor(HGF) gene, exon 18

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Top Hit Descriptor	QV0-BT0703-280400-211-e08 BT0703 Homo sapiens cDNA	RC6-TN0073-150900-011-A12 TN0073 Homo sapiens cDNA	RC6-TN0073-150900-011-A12 TN0073 Homo saplens cDNA	nq69e12.sf NCI_CGAP_Co9 Hamo sapiens cDNA clone IMAGE:1148206 3' similar to gb:X68391 60S RIBOSOMAL PROTEIN L6 (HUMAN);	wm55g11.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2439908 3'	601589565F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3943577 5'	ho36h04xt NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:3039511 3' similar to contains MER29.b3 MER29 repetitive element ;	EST182776 Jurkat T-cells VI Homo sapiens cDNA 5' end	EST182775 Jurkat T-cells VI Homo capiens cDNA 5' end	CMA-BT0792-300500-398-b05 BT0792 Homo sapiens cDNA	CMD-BT0792-300500-398-b05 BT0792 Hamo sapiens cDNA	nI46h10.s1 NCI_CGAP_Pr4 Homo sapiens cDNA clone IMAGE:1043683 similar to contains PTR5.t3 PTR5	repetitive element;	zf62b01.r1 Soares_testis_NHT Homo sapiens dDNA clone IMAGE:726889 6' similar to TR:G1335769 G1335769 GAG-POL POLYPROTEIN ;	no54e09.s1 NCI_CGAP_SS1 Homo sapiens cDNA clone IMAGE:1104520 3' strailer to gb:X53741_ma1 FIBULIN-1, ISOFORM A PRECURSOR (HUMAN):	Homo saplens chromosome 21 segment HS21C048	Homo capiens cysteiny tRNA synthetase (CARS), mRNA	QV1-BT0681-280300-127-f12 BT0681 Homo saplens cDNA	Human endogenous retrovirus RTVL-H2	ob03f06.s1 NCI_CGAP_Kld3 Homo saplens cDNA clone IMAGE:1322827 3'	CMYAS Human cardiac muscle expression library Homo saptens cDNA clone 4151935 similar to CMYA5 Continuary attended page 5	Homo sanians protein torneline phosphatase Inch-recentor tone 12 (PTPN12) IMBNA	Home eaplers protein tyrosine phosphatase, non-receptor type 12 (PTPN12), mRNA	Hono sepiens similar to sema domain, immunoglobulin domain (Ig), short basic domain, secreted, semanhorin) 3A (H. sapiens) (LOC83232), mRNA	Homo saplens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP1a mRNA, complete cds	Homo sapiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP1a mRNA, complete cds
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN	Ę	LN LN	EST_HUMAN	FN	EST_HUMAN	MANUEL TOTAL	PIN I I I	LN	LZ	L	FX
Top Hit Acession No.	7.0E-50 BE089591.1	7.0E-50 BF091922.1	7.0E-50 BF091922.1	7.0E-50 AA627822.1	7.0E-60 AI872137.1	6.0E-50 BE794381.1	6.0E-50 BE044076.1	8.0E-50 AA312079.1	6.0E-50 AA312079.1	5.0E-50 BF332938.1	5.0E-50 BF332938.1		5.0E-50 AA557683.1	5.0E-60/AA403053.1	4 0F-50 AA801143 1	4.0E-50 AL163248.2	11440683 NT	4.0E-60 BE087536.1		3.0E-50 AA746142.1	Alataciaca 4	3,0E-50 AW (35234.)	11419317 NT	11421514	3.0F-50 AF233436.2	3.0E-50 AF233436.2
Most Similar (Top) Hit BLAST E Value	7.0E-50	7.0E-50	7.0E-50	7.05-50	7.0E-50/	6.0E-50	6.0E-50	8.0E-50	6.0E-50	5.0E-50	5.0E-50		5.0E-50	5.0E-50I	4.05-50	4.0E-50	4.0E-50	4.0E-50	3.0E-50	3.05-50	0 00 00	3.05-30	3.0E-50	3.0E-50	3.05-50	3.0E-50
Expression Signal	1.07	0.73	0.73	0.74	23.18	0.67	3.28	3.32	3.32	1.34	1.34		5.27	1.78	0.34	2.08				0.92		800				
ORF SEQ ID NO:		33672		34008				37765	\	28080				38777		29712	33020	33924		29557			33375			
Exon SEQ ID NO:	13819	1	}	}	1	1	1 .	1	24130	1	1	L	22370	25070	١	1_	L	L		16543	1	1/000	1	1	<u></u>	) 1
Probe SEQ ID NO:	634	6923	6923	7457	10993	4462	8408	11053	11053	1835	1835		9294	12090	8	3536	6491	7383	1992	3371	300	3840	8815	6904	7822	7822

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חוואס דילדו בספס דילדו פספס ווי ופספס ווי ופספס ווי ופספס וויילדו	Most Similar Top Hit Acession Database Source Top Hit Descriptor Top H	3.0E-50 6601589 NT	1.08 3.0E-50/AB046818.1 INT Homo sapiens mRNA for KIAA1698 protein, partial cds	1.03 3.0E-50 11418514 NT Homo sapiens t-complex 10 (a murine top homolog) (TCP10), mRNA	1.04 3.0E-50 AB002297.1 NT Human mRNA for KIAA0299 gene, partial cds	3.0E-50 11436955 NT	3.0E-50 AJ245621.1 NT	3.0E-50 AB011399.1  NT	2.0E-50 AF055036.1 NT	2.0E-50 4557752 NT	2.0E-50 AF138303.1 NT	2.0E-50 D86424.1 NT	1.37 2.0E-50 AB018319.1 NT Homo saplens mRNA for KIAA0776 protein, partial cds	2.0E-50 AU124065.1	1.03 2.0E-50 AB038162.1 NT Homo septens TFF gene cluster for trefolf factor, complete cds	2.0E-50 AB038162.1	2.0E-50(X06956.1 NT	2.0E-50 X06956.1 NT	9910293 NT	1.6 2.0E-50 9910293 NT Mus musculus keretin complex 2, gene 6g (Krt2-6g), mRNA	2.0E-50 AF023861.1	1.0E-50 AL163209.2	1.0E-50 AJ271735.1	1.0E-50 D11078.1 NT	hd44e02.x1 Soares, NPL_T_GBC_S1 Homo septens cDNA done IMAGE:2912378.3' similar to TR:095636	9.0E-61 AA744837.1 EST HUMAN	ab23g04.x5 Strategene lung (#837210) Homo sapiens cDN4 clone IMAGE:841686 3' similar to	9.0E-51 AA043738.1 EST HUMAN	9.0E-51 AT/91154.1 EST_HUMAN	ab23g04.x5 Stratagene lung (#397210) Homo saplens dDN4 clone IMAGE:841686 3' similar to 0.88 9.0E-51 A791154.1 EST HUMAN SW.PSM HUMAN Q04609 PROSTATE-SPECIFIC MEMBRANE ANTIGEN :	9.0E-51 H89078.1 EST_HUMAN
5	Top Hit Acession No.	660158	AB046818.1	1141851	AB002297.1	1143695	AJ245621.1	AB011399.1	AF055036.1	455775	AF138303.1	D86424.1	AB018319.1	AU124065.1	AB038162.1	AB038162.1	X06956.1	X06956.1	991029	991029	AF023861.1	AL163209.2	AJ271735.1	D11078.1	AW611225.1	AA744837.1	A1791154 1	AA043738.1	AI791154.1	AI791154.1	H89078.1
	Most Similar (Top) Hit BLAST E Value													2.05-50			2.0E-50	2.0E-50			L	1.05-50				L					
	Expression Signal	99.0	1.08	1.03	1.04	1.51	8.19	1.35	7.94	6.18	33.77	0.75	1.37	0.61	1.03	1.03		7.21		1.6	1.39	2.17	10.11	1.65	104	0.58	0.7	1.29	0.68	0.58	
	ORF SEQ ID NO:	35404		36670			37564	31922				30499				35127		35269	36728	36729		26701		37038	32817		35487	L			37679
	Exon SEQ ID NO:	21861	23061	23070	23770	24425	23938	H	13978	14269	14627	17519	18442		_			21730		23126	24945	13689	15556	23431	19284	1	i .	}	1	22749	
	Probe SEQ ID NO:	8782	10023	10032	10737	11364	11752	13217	289	1104	1474	4376	5329	7007	8511	8511	8650	8650	10088	10088	11960	474	2438	10396	6104	8354	8872	9525	9700	9700	11764

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***	Top Hit Descriptor Source	EST_HUMAN {yw24g06.r1 Morton Fetal Cochlea Homo sapiens cDNA clone iMAGE:253210 5'	am10h02.s1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:1466451 3' smiler to EST_HUMAN SW:CAYP_CANFA P10463 CALCYPHOSINE;		Homo sapiens glycine amidinotransferase (L-arginine:glycine amidinotransferase) (GATM) mRNA	hp98e09.s1 NOL CGAP_Lu1 Homo sapiens cDNA clone IMAGE:1142440 3' similar to gb:X12671_ma1 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1 (HUMAN);	Homo sapiens very long-chain acyi-CoA synthetase homolog 1 mRNA, complete cds	Homo saplens PDZ-73 protein (PDZ-73MY-CO-38), mRNA		EST_HUMAN 0V4-NT0028-200400-180-405 NT0028 Home sapiens cDNA		EST_HUMAN DKFZp434B2229_1434 (synonym: htes3) Homo sepiens cDNA clone DKFZp434B2229 5	EST_HUMAN   DKFZp434Bz229_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434B2229 6'	Homo seplens immunoglobulin superfamily, member 3 (IGSF3), mRNA	EST_HUMAN   Ul-H-BW0-aip-b-05-0-Ul.s1 NCL_CGAP_Sub6 Homo septens cDNA clone IMAGE:2729817 3'		Homo sapiens putative DNA binding protein (M96), mRNA	Homo sapiens KIAA0929 protein Msx2 interacting nuclear target (MINT) homolog (KIAA0929), mRNA	Homo sepiens KIAA0929 protein Msx2 interacting nuclear target (MINT) homolog (KIAA0929), mRNA	Home septens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA	Homo saplens solute carrier family 2 (facilitated glucose trensporter), member 9 (SLC2A9), mRNA	Human haptoglobin related (Hpr) gene exon 3	Home sapiens mitogen-ectiveted protein kinase kinase 1 (NIKK4) gene, exon 4	Homo sapiens miliogen-ectivated protein kinase kinase 1 (MKK4) gene, exon 4	Homo sapiens ribosomal probain S8 kinase, 70kD, polypeptide 1 (RPS6KB1) mRNA	Homo sapiens nan-kinase Cdc42 effector protein SPEC2 (LOC56999), mRNA	Homo sapiens cerebral cell adhesion molecule (LOC51148), mRNA	Homo sapiens hypothetical protein FLJ11042 (FLJ11042), mRNA	Homo sapiens hypothetical protein FLJ11042 (FLJ11042), mRNA	Homo saplens B9 protein (B9), mRNA
,	Sor	EST_H	EST_E	L Z	LN LN	EST_H	NT	Ę	EST H	EST_H	EST_H	EST_H	EST HI	LΝ	EST_H	LΝ	FN	Ę	¥	Ę	ΝŢ	ΔŢ	۲	Ę	۲	LΝ	μN	LΝ	F	닐
	Top Hit Acession No.	9.0E-51 H89078.1	AAB85514.1	4503932 NT	4503932 NT	8.0E-51 AA610842.1	8.0E-51 AF064254.1	11439587 NT	8.0E-51 AU138590.1	7.0E-51 AW889219.1	7.0E-51 AW274720.1	7.0E-51 AL079628.1	7.0E-51 AL079628.1	11421595 NT	7.0E-51 AW295603.1	7.0E-51 AF161449.1	TN 6678783	7657266 NT	7657266 NT	9910553 NT	9910553 NT		6.0E-51 AF070083.1	6.0E-51 AF070083.1	4506736 NT	11416751 NT	11429665 NT	11428525 NT	,	7681535 NT
Most Similar	(Top) Hit BLAST E Value	9.0E-51	9.0E-51	8.0E-51	8.0E-51	8.0E-51	8.0E-51	8.0E-51	8.0E-51	7.0E-51	7.0E-51	7.0E-51	7.0E-51	7.0E-51	7.0E-51		6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51				6.0E-51	6.0E-51	6.0E-61	6.0E-51		6.0E-51
	Expression Signal	1.97	1.84	1.11	1,11	6.38	0.71	211	1.06	1.27	0.82	1.37	1.37	1.18	1.44	1.36	0.94	5.83	14.65	99.0	0.66	1.48	8.16	8.16	0.93	0.82	2.15	69.0	0.69	
	ORF SEQ ID NO:	37580	38768	30677	30678	30812	33865			29541		30416	30417	30498	30589	38674	27790	28287	29743	30547						33690	31486			36509
	SEQ 10 NO:	23950	25050	17697	17697	17825	20403	20885	22626	16526	16615	17427	17427	17518	17611	24970	14710	15177	16727	17566	17566	19293	19303	19303	20215	20169	18531	22413	22413	22925
	SEQ ID	11784	12069	4559	4559	4690	7321	7830	9664	3354	3447	4282	4282	4376	4471	11985	1657	2036	3562	4426	4426	6113	6124	6124	9800	7032	7104	8337	9337	9885

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Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acesslon No.	Top Hit Database Source	Top Hit Descriptor
9964	23003	36598	0.79	6.0E-51	6.0E-51 U50093.1	TN	Human ankyrin (ANK1) gene, exon 2
11534	24590	38265	1.84	6.0E-51	11526289 NT	F	Homo sapiens interleukin 17 receptor (iL17R), mRNA
814	13993	27047	6.22	5.0E-51	5.0E-51 AL163203.2	TN	Homo sapiens chromosome 21 segment HS21C003
828		27061	1.7.1	5.0E-51	4507500 NT	TN	Homo saplans T-cell lymphoma Invasion and metastasis 1 (TIAM1) mRNA
1016	16028	L	2.39	5.05-51	5.0E-51 AL133204.1	LN	Novel human gene mapping to chomosome X
1638	14790	27875		5.0E-51	31980	TN	Homo sapiens 28S proteasome-associated pad1 homolog (POH1) mRNA
2858	15781	28894	-	5.05-51	5.0E-51 AJ007558.1	LN PA	Homo sapiens mRNA for nucleoporin 155
4055	17211	30221	1.31	5.0E-51	5.0E-61 M30938.1	TN	Human Ku (p70/p80) subunit mRNA, complete cds
4055	17211	30222		5.0E-51	5.0E-51 M30938.1	LN	Human Ku (p70/p80) subunit mRNA, complete cds
5183	ı	31269	1.04	5.0E-51	5.0E-51 AB037832.1	ΤN	Homo sepiens mRNA for KIAA1411 protein, partial ods
11558	24613	38292	3.8	5.0E-51	5803136 NT	LN	Homo seplens RNA binding motif protein 3 (RBM3), mRNA
197	13363	26397	14.26	l	3.0E-51 AI587348.1	EST HUMAN	tr81c09.x1 NCI_C0AP_Pen1 Homo sapiens cDNA olone IMAGE:2224720 3' cimilar to gb:M26326 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);
	1.				Γ		tr81c09.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2224720 3' similar to gb:M26326
1203	14365	27425	48.14	3.0E-51		EST_HUMAN	KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);
1976	15119	28220	1.38	3.0E-51	3.0E-51 AA211298.1	r HUMAN	zq87g01.s1 Stratagene hNT neuron (#937233) Homo sepiens cDNA clone IMAGE:649008 3'
4448	17586		1.85	3.0E-51	3.0E-51 AL159142.1	LN	Novel human gene mapping to chomosome 22
							ya47c08.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:63233 6' similar to gb:M14123_cds4
7753		34304	2.3	3.0E-51		T_HUMAN	RETROVIRUS-RELATED POL POLYPROTEIN (HUMAN); contains LTR5 repetitive element;
9040	22119		3.85	3.0E-51	3.0E-51 M29063.1	ŊŢ	Human hnRNP C2 protein mRNA
9268			0.61	3.0E-51	3.0E-51 AW583777.1	<b>EST_HUMAN</b>	ia04d06.1/1 Human Pencreatic Islets Homo eaplens cDNA 5'
000	i		6			1	Homo saplens X-linked anhidrolitic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat
1280/	2007		00.00		3.0E-01 AL003020.1		מוסומים
377	13585	26819	1.98	2.0E-51	4507798 NT		Homo sapiens ubiquitin protein ligase E3A (fulman papilloma virus E6-associated protein, Angelman syndrome) (UBE3A) mRNA
708	l		0.89	2.0E-51	2.0E-51 BE391063.1	EST_HUMAN	601285694F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3607463 5'
706	!	26922	0.89		2.0E-51 BE391063.1	EST_HUMAN	601285694F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3607463 5
4773	1	27065	18.75		2 0F-51 AA233352 1	FST HUMAN	z/30805.r/ Stratagene NT2 neuronal precursor 937230 Homo sepiens cDNA clone IMAGE:664880 5' similar to TR:0233226 G233226 RTVL-H PROTEIN. :contains LTR7.t3 LTR7 repetitive element :
3827	16987				2.0E-51 Al492415.1	EST HUMAN	127g03.x1 NCI_CGAP_Kid11 Homo saplens cDNA clone IMAGE:2131732.3
4616	1	l			2.0E-51 AW137826.1	EST HUMAN	UI-H-BI1-adj-4-02-0-UI s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:27168513"
	ì						167608x1 Soares_NFL_T_GBC_S1 Homo sepiens dDNA clone IMAGE:2092822 3' similar to TR:P83107
5326	18439	31408	0.66	1	2.0E-51 Al381520.1	EST_HUMAN	PUSTO/ PTZU.;

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		Г	Г	Г		Г	_	Τ_	Г	1	1	l		4	Т	Т	Γ	Г	Г	C)	Т	T	T	T	
Тф Hit Descriptor	601470446F1 NIH_MGC_67 Homo sapiens cDNA clone IMAGE:3873563 5'	Homo sapiens diacylglycerol kinase iota (DGKI) gene, exon 23	Homo sapiens cell recognition molecule Caspr2 (KIAA0868), mRNA	601676787F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3959613 5'	601676787F1 NIH_MGC_21 Hamo saplens cDNA clone IMAGE:3959613 5	Homo saplens disrupted in schizophrenia 1 (DISC1), mRNA	1674607.x1 NCI_CGAP_GC8 Homo saciens cDNA clone IMAGE:2236980 3' similar to SW:TRKC_HUMAN Q16288 NT-3 GROWTH FACTOR RECEPTOR PRECURSOR:	MR3-HT0487-150200-113-g01 HT0487 Homo sapiens cDNA	Homo sapiens mRNA for KIAA0457 protein, partial cds	AV682474 GKB Homo sapiens cDNA clone GKBAGF05 5	EST91296 Synovial sercoma Homo sapiens cDNA 5' end	0034709.X5 NCI_CGAP_KIJ5 Homo sapiens 0DNA obne IMAGE:1325609 3' similar to SW:NME1_MOUSE P35436 GLUTAMATE [NMDA] RECEPTOR SUBUNIT EPSILON 1 PRECURSOR;	ob34f09.x5 NCI_CGAP_KIJ5 Homo sepiens cDNA clane IMAGE:1325609.3° sintilar to SW:NME1_MOUSE P35436 GLUTAMATE [NMDA] RECEPTOR SUBUNIT EPSILON 1 PRECURSOR;	Homo sapiens myeloidfymphoid or mixad-lineage leukamia (trithorax (Drosophila) homolog); translocated to, (MLLT4), mRNA	Homo sapiens eukaryotic translation initiation factor 4A, isoform 1 (EIF4A1) mRNA	AV742248 CB Hamo saplens cDNA clone CBFBCC12 5'	Homo sapiens serine palmitoy transferase, subunit II gene, complete cds; and unknown genes	b12056t Testis 1 Homo capians cDNA clone b12056	te39g02.x1 Sogres NhHMPu, S1 Hamo sapiens cDNA clane IMAGE:2089106 3'	7096b02.x1 NCI_CGAP_Ov18 Homo sapiens cDNA clone IMAGE:3644091 3' similar to TR:P87892 P87892 PROTEASE:	AV760590 MDS Homo sapiens cDNA clone MDSCBB02 5'	285807.s1 Soares_feta_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:448500 3' similar to contains THR.t3 THR repotitive element:	nw21g02.sr NCL_CGAP_GCB0 Homo sapiens cDNA done IMAGE:1241138.3' similar to contains THR.t3 THR receitive element:	H.sapiens mRNA for laminin-5, alpha3b chain	Homo sapiens hypothetical protein PLJ13556 sImilar to N-myc downstream regulated 3 (FLJ13556), mRNA
Top Hit Database Source	EST_HUMAN	LN	TN	EST_HUMAN	EST_HUMAN	N	EST HUMAN	EST HUMAN	LZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LZ	뉟	EST_HUMAN	N-	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	Z.	NT
Top Hit Acession No.	2.0E-51 BE782015.1	2.0E-51 AF219927.1	7662349 NT	2.0E-51 BE901994.1	2.0E-51 BE901994.1	11037064 NT	2.0E-51 Al917078.1	2.0E-51 BE165980.1	2.0E-51 AB007926.1	2.0E-51 AV682474.1	2.0E-51 AA378559.1	2.0E-61 Al732861.1	2.0E-51 AI732851.1	11419159 NT	4503528 NT	1.0E-51 AV742248.1	1.0E-51 AF111168.2	1.0E-51 T18862.1	1.0E-51 AI572532.1	1.0E-51 BF434359.1	1.0E-51 AV760590.1	9.0E-52 AA777621.1	8 0F-52 AA720574 1	X84900.1	11968028 NT
Most Similar (Top) Hit BLAST E Velue	2.0E-51	2.0E-51	2.0E-61	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-61	2.0E-51	2.0E-51	1.0E-51	1.0E-51	1.0E-51	1.0E-51	1.0E-51	1.0E-51	1.0E-51	9.0E-52	8 OF -52	8.0E-52 X84900.1	8.0E-52
Expression Signal	3.54	0.73	1,29	1.61	1.61	1.03	1.76	4.86	69'0	1.58	1.07	5.82	5.82	1.62	10.94	37.16	0.82	3.7	1.03	0.51	1.97	9.43	11.42	2.39	2.85
ORF SEQ ID NO:	32658		34161	35512	35513	35854	36347	L				31789	31790	31992			31036	31720	34384	34684			26412		
Exon SEQ ID NO:	19317	20537	20685		21975	22312	7777	1.	<u> </u>	Ĺ	23723	1	18752	26571	l	14676	18048	18704	20882	21169	1	i	1	L.	] ]
Probe SEQ ID NO:	6139	7462	7615	8896	9688	9235	9712	9803	9818	10648	10690	11610	11610	12860	117	1523	4918	5505	7827	8087	12076	12610	158	1526	1686

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Table 4
Single Exon Probes Expressed in Placenta

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Single Exon Propes Expressed in Placema	Top Hit Descriptor	Homo saplens hypothetical protein FLJ13556 similar to N-myo downstream regulated 3 (FLJ13556), mRNA	Homo capiene hypothetical protein FLJ13556 similar to N-myc downstream regulated 3 (FLJ13556), mRNA	Homo sapiens hypothetical protein FLJ13556 similar to N-myc downstream regulated 3 (FLJ13656), mRNA	Homo saplens transforming growth factor, beta-induced, 68kD (TGFBI), mRNA	Homo sapiens transforming growth factor, beta-induced, 68kD (TGFBI), mRNA	zc59e08.r1 Scares_parathyroid_turnor_NbHPA Homo seplens cDNA clone IMAGE:328578 5' similar to contains Alu repetitive element;	QV3-BT0537-271299-049-d07 BT0537 Homo sapiens cDNA	Homo saplens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds, and S171 gene, partial cds.	ad4404.x1 Soares (estis NHT Homo segiens cDNA clone IMAGE:1838047.3"	2246h04.y1 NCI_CGAP_Bm52 Homo sepiens cDNA clone IMAGE:2291671 5' similar to	SW:PGBM_MOUSE_Q05793 BASEMENT MEMBRANE.SPECIFIC HEPARAN SULFATE  PROTECG  YOAN CORF PROTEIN PRECURSOR :	H. saplens flow-corted chromosome 6 Hindlil fragment, SC6pA18H7	Homo sapiens FSHD region gene 1 (FRG1), mRNA	Homo sapiens SH3-containing protein SH3GLB1 mRNA, complete cds	Homo saplens nucleoporin 155kD (NUP155) mRNA	Homo saplens T-cell lymphoma invacion and metastasis 1 (TIAM1) mRNA	wi89b02x1 NCL_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2400459 3'	Homo saplens phosphoribosyl pyrophosphate synthetase-associated protein 2 (PRPSAP2) mRNA	Hamo sapiens phosphoribosyl pyrophosphate synthetase-associated protein 2 (PRPSAP2) mRNA	601440687F1 NIH_MGC_72 Homo sepiens cDNA clone IMAGE:3915836 5'	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 4 (HSD17B4), mRNA	Home sepiens Ren GTPsse activating protein 1 (RANGAP1), mRNA	Homo sapiens DNA for Human P2XM, complete cds	Hamo sapiens gene for AF-6, complete cds	Homo sapiens hypothetical protein FLJ10675 (FLJ10675), mRNA	[Human endogenous retroviral DNA (4-1), complete retroviral segment	Human endogenous retroviral DNA (4-1), complete retroviral segment	Home sapiens mRNA for KIAA1249 protein, partial cds
e Exon Prop	Top Hit Database Source	Ľ L	NT	N T	F	NT	EST_HUMAN	EST HUMAN	Y.Y.	EST HUMAN		HOT HIMAN	NT	LN LN	Z	ΓN	.	EST_HUMAN	N-	NT	EST HUMAN	NT	LN	LN	TN	TN	۲N	LN	NT
ibule	Top Hit Acession No.	11968028 NT	11988028 NT	11968028 NT	11416585 NT	11416585 NT	7.0E-52 W56471.1	6.0E-52 BE072409.1	6 0E-52 A F109907 1	6 0F-52 A 208784 1		6 0F-52 RF048172 1	78898.1	11437366 NT	4.0E-52 AF257318.1	4758843 NT	4507500 NT	4.0E-52 AI766814.1	4506132 NT	4506132 NT	4.0E-52 BE622032.1	11417035 NT	11418177 NT	4.0E-62 AB002059.1	4.0E-52 AB011399.1	11437042 NT	A10976.1	2.0E-52 M10978.1	2.0E-52 AB033075.1
	Most Similar (Top) Hit BLAST E Value	8.0E-52	8.0E-52	8.0E-52	8.0E-52	8.0E-52	7.0E-52	6.0E-52	8.0E-52	6 0F-52 /		6.0F-52	5.0E-52 Z78898.1	5.0E-52	4.0E-52	4.0E-52	4.0E-52	4.0E-52	4.0E-52	4.0E-52	4.0E-52	4.0E-52	4.0E-52	4.0E-62	4.0E-52	3.0E-52	2.0E-52 M10976.1	2.0E-52	2.0E-52
	Expression Signal	2.85	6.75	6.75	92.0	0.76	1.86	0.63	7.4	1 05		238	2.27	0.48	1.66	1.63	0.77	0.81	1.3	1.3	1.19	5.5	3.44	12.79	1.3	11.41	1.82	1.82	1.18
	ORF SEQ ID NO:	27923	27922	27923	34232	34233	35836		07.07.6		<u> </u>	38214		36218	27931	28072					34830							26791	
	Exon SEQ 1D NO:	14838	14838	14838	20751		22293	14375	14879	1	1	24543	ł	1	ł	14077		17995		1	21310	1	25304	25642	25741	17353	1	١,	15211
	Probe SEQ ID NO:	1686	4101	4101	7886	7686	9215	1214	1720	5845		11484	4562	9592	1695	1829	4037	4862	5401	5401	8228	8731	12429	12987	13141	4204	676	676	2071

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Top Hit Descriptor	bb88b07.y1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3030421 5' similar to gb:X16493 M.musculus mRNA for Zpf-1 zinc finger protein (MOUSE);	602084710F1 NIH_MGC_83 Homo sepiens cDNA clone IMAGE:4248891 6'	Novel human gene mapping to chromosome 20, similar to membrane transporters	qa56e05.s1 Scares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1690764 3'	qa56e05.s1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1690784 3'	1L3-CT0214-231299-053-E12 CT0214 Homo sapiens cDNA	Homo sapiens interleukin 21 receptor (IL21R), mRNA	Homo sapiens mRNA for KIAA1081 protein, partial cds	os45d12.y5 NCI_CGAP_Br2 Homo saplens cDNA clone IMAGE:1608311 5'	Homo sapiens transducin (beta)-like 1 (TBL1) mRNA	Homo sapiens transducin (beta)-like 1 (TBL1) mRNA	Macaca mulatta beta-tubulin mRNA, complete ods	z/45g05.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:453272 3'	Homo sapiens NADH dehydrogenase (ubiquincne) Fe-S protein 5 (15kD) (NADH-coenzyme Q reductase)	(NDUFS5) mRNA	Homo sapiens SET domain and mariner transposase fusion gene (SETMAR) mRNA	Homo sapiens SET domain and mariner transposase fusion gene (SETMAR) mRNA	wi49c04 x1 NCI_CGAP_Lu19 Homo seplens cDNA clone IMAGE:2408160 3' similar to contains THR.b2 THR repetitive element:	wi48c04xt NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2406150 3' similar to contains THR.b2	THR repetitive element;	AV715377 DCB Homo sapiens cDNA clone DCBAIE03 5	zd49g12.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:344038 5	Homo saplens LIM domain kinase 2 (LIMK2), mRNA	xn72e07.x1 NCI_CGAP_CML1 Homo sapiens cDNA clone IMAGE:2700036 3' similar to contains Alu	repetitive element;contains element LTR2 repetitive element ;	wt67405.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2360849 3' similar to TR:Q16859   การลรถ carroxvi ครารคระร	2. CSM CALLES LESS EN COLL 1. CSM CALLES LESS EN COMMA dana MAAGE 743870.3"	was an annual form of the form	TOURO Sapiel is gludalitate amiliona ilgaso (gludalimos synthase) (GLOL) miraka	Homo sapiens arysultatase D (ARSD), transcript variant 1, mRNA	poi-reverse transcriptase homolog (retroviral element) [human, endogenous retroviral element RTVL-Hp1, Genomio, 680 nt]
Top Hit Database Source	EST HUMAN	T HUMAN	Į.	EST_HUMAN	EST_HUMAN	Г		TN	EST_HUMAN			Į.	EST_HUMAN					EST HUMAN	Τ	EST_HUMAN	EST_HUMAN	T_HUMAN			EST HUMAN	TAMILL FAR	Т	N. Carrie			NT
Top Hit Acessian No.	2.0E-52 BE207575.1	2.0E-52 BF677892.1	2.0E-52 AL137188.3	2.0E-52 Al141802.1	2.0E-52 AI141802.1	2.0E-52 AW848041.1	11141868 NT	2.0E-52 AB029004.1	2.0E-52 AI792148.1	5032158 NT	5032158 NT	2.0E-52 AF147880.1	2.0E-52 AA778795.1		4758789 NT	5730038 NT	5730038 NT	2.0E-52 Al831462.1		2.0E-52 AI831462.1	2.0E-52 AV715377.1	2.0E-52 W70260.1	11417990 NT		2.0E-52 AW 236297.1	0 0E-80 A BOSOS 4	1 0E-50 0 0 83 4 4 4 5 1	TIMOGOTOST	4504020	4502238 N	1.0E-52 S61070.1
Most Similar (Top) Hit BLAST E Value	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52	2.0E-52		2.0E-52	2.0E-52	2.0E-52	2.0E-52		2.0E-52	2.0E-52	2.0E-52	2.0E-52		2.0E-52	2 05 52	1 05.50	10,	1.05-32	1.0E-52	1.0E-52
Expression Signal	1.5	11.46	3.41	4.1	1.4	3.24	1.98	96.0	0.76	0.69	69.0	17.8	96'0		-	4.6	4.6	3.14		3.14	2.52	1.46	3.25		5.9	A 70	1 80	04.07	0.00	1.86	2.6
ORF SEQ ID NO:	28818		31190	31216	31217	32317				34558			35759				36966	38209			38225				31541			02000			29315
SEQ ID NO:	15693	1	ľ	18251	18251		l	20006	i	1	21046		22215	l l	22842	23356	23356	24540		24540	24550	24714	•		26194	25.437		Ł	1	15/24	16302
Probe SEQ ID NO:	2568	2796	5092	5126	5126	5821	6497	6853	7081	7996	7996	8854	9136		0896	10321	10321	11481		11481	11491	11634	11918		12234	17858	746		7407	2600	3126

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Top Hit Descriptor	Human P-glycoprotein (MDR1) gene, exon 4	Human PMS2 related (hPMSR2) gene, camplete cds	Human aidolase C gene for fructose-1,6-bisphosphate aidolase	Homo sapiens basic transcription factor 2 p44 (btf2p44) gene, partial cds, neuronal epoptosis inhibitory	protein (nalp) and survival motor neuron protein (smn) genes, complete cds	Homo sapiens ohromosome 21 segment HS21C027	Raitus norvegicus putative four repeat ion channel mRNA, complete cds	df08g05;y1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2483145 6'	Homo saplens chromosome 21 segment HS21C002	Homo saplens protein tyrosine phosphatase PTPCAAX1 (hPTPCAAX1) mRNA, complete cds	Homo seplens proteacome (prosome, macropain) subunit, beta type, 2 (PSMB2), mRNA	Homo sapiens 5'-3' expribonuclease 2 (XRN2), mRNA	Homo septens 6'-3' exorthornaclease 2 (XRN2), mRNA	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B) mRNA	Homo sapiens core binding factor alpha1 subunit (CBFA1) gene, exon 3	601904771F1 NIH_MGC_64 Homo sapiens cDNA clone IMAGE:4132793 5'	ff44f07.x1 NCI_CGAP_Brn23 Homo sapiens oDNA clone IMAGE:2099077 3' similar to contains THR.t1	THR repetitive element;	Homo sepiens heterogeneous nuclear ribonucieoprotein C (C1/C2) (HNRPC) mRNA	Homo sapiens chromosome 21 segment HS21C082	RC3-ST0197-151099-011-g10 ST0197 Homo sapiens cDNA	Hano seplens chranosane 21 segment HS21C085	Homo sapiens chromosome 21 segment HS21C086	ty06h04.x1 NCL_CGAP_UB Homo sapiens cDNA clone IMAGE:2278327 3'	HSC3iD041 normalized infant brain cDNA Homo sapiens cDNA clone coid04	601810969F1 NIH_MGC_48 Homo saplens cDNA clone IMAGE:4053977 6	601810969F1 NIH_MGC_48 Homo sapiens cDNA clone IMAGE:4063977 6'	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	wr22c07.xt Soares_Dieckgraefe_colon_NHCD Homo sepiens cDNA clone IMAGE:256879631	IL2-UM0081-240300-055-D03 UM0081 Homo saplens cDNA	Homo sapiens 26S proteasome subunit 9 mRNA, complete cds	Homo sapiens Mil.1 protein (Mil.1), mRNA	QV1-HT0412-280300-123-c04 HT0412 Homo sapiens cDNA
Top Hit Database Source	LN	-Z	LN		NT	LN		EST HUMAN	LΝ	Ę	Ę	TN	LN.	Z	FZ	EST_HUMAN		EST HUMAN	LN	LΝ	EST HUMAN	LN.	LN				EST HUMAN				EST_HUMAN	NT		EST_HUMAN
Top Hit Acession No.	1.0E-52 M29426.1	J38964.1	X07292.1		1.0E-52 U80017.1	1.0E-52 AL163227.2	1.0E-52 AF078779.1	1.0E-52 AW020370.1	1.0E-52 AL163202.2	J48296.1	11426321	11421401	11421401 N	4506064 NT	9.0E-53 AF001446.1	7.0E-53 BF238465.1		7.0E-53 AI421782.1	4758543 NT	5.0E-53 AL163282.2	5.0E-53 AW813563.1	4.0E-53 AL163285.2	4.0E-63 AL163285.2	4.0E-63 Al613037.1	4.0E-53 F13080.1	4.0E-53 BF128701.1	4.0E-53 BF128701.1		3.0E-53 AB026898.1	3.0E-63 AW060836.1	3.0E-53 AW803563.1	3.0E-53 AF001212.1	3.0E-53 11526297 NT	BE160025.1
Most Similar (Top) Hit BLAST E Value	1.0E-52	1.0E-52 U38964.1	1.0E-52 X07292.1		1.0E-52	1.0E-52	1.0E-52	1.0E-52	1.0E-52	1.0E-52 U48296.1	1.0E-52	1.05-52	1.0E-62	9.0E-53	9.0E-53	7.0E-53		7.0E-53	6.0E-53	5.0E-53	5.0E-53	4.0E-53	4.0E-53	4.0E-63	4.0E-53	4.0E-53	4.0E-53		3.0E-53	3.0E-63	3.0E-53	3.05-53	3.0E-53	3.0E-53
Expression Signal	4.43	2.33	2.07		0.59	1.18	0.77	0.68	1.08	2.12	1.72	1.31	1.31	0.69	3.3	6.65		7.06	4.48	0.92	1.93	2.07	2.07	29.0	0.94	2.99	2.99		2.34	1.18	0.75	0.97	1.01	1.46
ORF SEQ ID NO:		33062			34576		36029			37720		38819		30049	30638				30351	31377		26301	28302				38222		28066	29988	10831	31755		
Exon SEQ ID NO:	i .	19688	20859	l	21084	21740	22485	23837	23847	24083	24150	25115	25115	17050	17650	26332		26046	17363	18411	25360	13289	13289	22871	22997	24548	24548		15844	16985	17848	18738	18936	19495
Probe SEQ ID NO:	5448	6523	7588		8014	8860	9390	10804	10814	11004	11076	12135	12135	3891	4511	12480		12958	4214	5283	12528	99	32	9616	8968	11489	11489		2726	3825	4713	5541	6743	6323

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	Top Hit Descriptor	H, sapiens graf gene	H.sapiens graf gene	GIF=growth inhibitory factor (human, brain, Genomic, 2015 nt)	Homo sapiens bone morphogenetic protein 5 (BMP5), mRNA	Homo sapiens FGFR1 oncogene partner (FOP), mRNA	Homo sapiens acetyl-Coenzyme A carboxylase alpha (ACACA), mRNA	EST77525 Pancreas tumor III Homo saplens cDNA 5' end	Homo saplens hyaluronic acid receptor (HAR), mRNA	Homo sapiens Bruton's tyrosine kinase (BTK), apha-D-galactosidase A (GLA), L44-like ribosomal protein (1441) and ETD2 (ETD3) names complete cds	(Lett.) and 11 (11) (11) (11) (11) (11) (12)	Homo sapiens ATPase, H+ transporting, lysosomal (vacuoiar proton pump) 3 ND, vacuoiar proton rase, subunit E; V-ATPase, subunit E (ATP6E), mRNA	Homo sapiens leucine aminopeptidase (LOC51066), mRNA	Homo sapiens dihydropyridine receptor alpha 2 subunit (CACNA2D1) gene, exon 6	Human Krueppel-related DNA-binding protein (TF34) gene, partial cds	PM1-CT0396-170800-001- <sub>9</sub> 03 CT0396 Hamo sapiens cDNA	PM1-CT0396-170800-001-g03 CT0396 Homo saplens cDNA	EST387707 MAGE resequences, MAGN Homo sapiens cDNA	15429, seq. F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA 5'	2822665,5prime NIH_MGC_7 Homo saplens cDNA clone IMAGE:2822665 5	7b50b02.x1 NCI_CGAP_Lu24 Homo sapiens cDNA done IMAGE:3231627 3' similar to TR:Q04009 Q04009 MYOSIN HEAVY CHAIN.;	Homo sapiens Xq pseudoautosomal region; segment 2/2	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	601176725F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3531919 5'	CM4-NN 1029-150800-543-e02 NN 1029 Homo sapiens cDNA	RC5-BN1058-270400-031-D01 BN1058 Homo sapiens cDNA	19571.seq.F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA 5	H.sapiens mRNA for hnRNPcore protein A1	2822943.3ptlme NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2822943.3'	Homo sapiens glutamate receptor, ionotropic, kainate 1 (GRIK1) mRNA	Homo sapiens IQ motif containing GTP ase activating protein 1 (IQSAPT) MKNA	6012/2863FT NIT MICE TO HOME SEPTEMS CLINA CIONE INACE. 30 1403 FO
	Top Hit Database Source	낟	F	NT	NT	L	NT	EST HUMAN	TN	±14	ž	_ <u></u> \_	NT	NT.	N	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	LN.	٠Ę	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	EST_HUMAN	LN S	LN 8	EST HOMAN
P	Top Hit Acesslon No.	/10388.3	/10388.3	572043.1	10835090 NT	5901953 NT	11426423 NT	2.0E-53 AA368556.1	7705394 NT	4 TOOOT!	Z.UE-53 U/80Z/.1	4502316 NT	7705687 NT	2.0E-53 AF083822.1	2.0E-63 M61873.1	2.0E-53 BF334740.1	2.0E-53 BF334740.1	2.0E-53 AW975598.1	2.0E-53 AA095652.1	2.0E-53 AW245676.1	2.0E-53 BE550195.1	1.0E-53 AJ271736.1	1 0E-53 AB026898 1	1.0E-53 BE296386.1	1.0E-53 BF364201.1	1.0E-53 BE012071.1	1.0E-53 AA249072.1	1.0E-53 X79536.1	1.0E-53 AW 245422.1	4504116 NT	4506786 NT	8.0E-54 BE386785.1
	Most Similar (Top) Hit BLAST E Value	3.0E-53 Y10388.3	3.0E-53 Y10388.3	3.0E-53 S72043.1	3.0E-53	3.0E-53	3.0E-63	20E-53	2.0E-53	200	2.0E-53	2.0E-53	2.0E-63	2.0E-53	2.0E-63	2.0E-53	2.0E-53	2.0E-53	2.0E-53	2.0E-53	2.0E-53	1.0E-53	1 05-53	1.0E-53	1.0E-53	1.0E-53			1.0E-53			8.0E-54
	Expression Signal	0.76	0.78	10.97	0.85	9.77	1.18	11.25	3.29		6.28	12.68	0.79	1.23	2.59	2.46	2.46	1.01	0.48	3.47	0.89	2.2	2 00	1.06	1.5	0.87	9.0	4.73		0.61		1.20
	ORF SEQ ID NO:	33776		35118					28325		28662		L	29508		L	31757				37517				33392			١		29515		26465
	SEQ ID NO:	20330	20330	1	1	1		1	1	1	16535	15725	1	1	1	ı	1	1	1		1	1	<u> </u>	1	1	1	ĺ	22366	1	ľ	1	13435
	Probe SEO ID NO:	7247	7247	8400	9080	9257	12361	470	2068		2404 404	2801	3280	3317	4170	5542	5542	8055	8198	9608	10862	1477	2408	5078	6831	7397	8120	9280	12228	3324	5417	212

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, and the second	Most Similar ORF SEQ Expression (Top) Hit Top Hit Acession Database ID NO: Signal BLASTE No. Source	28133 2.08 8.0E-54 4504610 NT	32564 23.39 8.0E-54 6005700 NT		26669 1.35 7.0E-54 AA812537.1 EST_HUMAN	28128 2.23 7.0E-54 (Y16645.1 NT	110 28541 7.63 7.0E-54 N27177.1 EST_HUMAN similar to contains LTR7 repetitive element;	36978 2.1 7.0E-54 11417222 NT	38081 1.4 7.0E-54 8923698 NT	38082 1.4 7.0E-54 8923698 NT	3.42 7.0E-54 A1160189	26265 0.84 6.0E-54 AB003618.1 NT	26670 0.77 6.0E-54 8922148 NT	26671 0.77 6.0E-54 8922148 NT	29542 0.72 6.0E-54 8922148 NT	30265 22.75 6.0E-54 4502872 NT	30704 1.09 6.0E-54 AV754746.1 EST_HUMAN	31073 2.15 6.0E-54 4505806 NT	2.04 6.0E-54 Y09846.1 NT	3.31 6.0E-54 Y09846.1 NT	37552 1.52 6.0E-54 AW813567.1   EST_HUMAN	28483 1.94 5.0E-54 P51523 SWISSPROT	58.19 4.0E-54/AF110103.1 NT		27211 14.58 4.0E-54 AA306764.1 EST_HUMAN	28096 3.26 4.0E-54 D38521.1 NT	28097 3.26 4.0E-54 D38521.1 INT		1.85 4.0E-54 A1935086.1 EST_HUMAN	26358 8.12 3.0E-54 AA313487.1 EST_HUMAN	0,96 3.0E-54 AW515742.1 EST_HUMAN	20072
				l _		L				١	l				L			_	L	10		L	9		_	L	L		80			
	Exch ID SEC ID NO:	15026	6057 19239	1	395 13632	(		10333 23368	1	165 24428	ĺ	1	1_	ı	3355 16527		4584 17721	(	4996 18125	5115 18125	11741 23927	2218 15352	187 13409	-	978 14151	L.	L	L	3274 16448	13331	1	l
	Probe SEQ (D NO:	18	8		eo.	٣	2		113	11365	= =====================================		ľ	ľ	33	4	4	14,	4	છે	11,	72			<i>-</i>	<u>آ</u>	٦		Э			

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					38.113		
Probe SEQ.ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
10328	23361	36972	0.78	2.0E-54	11416762 NT	TN	Homo sapiens serologically defined colon cancer antigen 10 (SDCCAG10), mRNA
10841	23874	37494	0.46		2.0E-54 AB007931.1	NT	Homo sapiens mRNA for KIAA0462 protein, partial cds
11275	l _	33351	1.46		2.0E-54 AF008915.1	NT	Homo sapiens EVI5 homolog mRNA, complete cds
12027	١.		1.72	2.0E-54	7857454 NT	LN	Homo capiens pescadillo (zebrafish) homolog 1, containing BRCT damain (PES1), mRNA
12893	L	31970	4.36	2.0E-54	TN 2857387 NT	L	Hamo sepiens period (Drosophille) homalog 3 (PER3), mRNA
4587	17724		1.65		1.0E-54 BF315418.1	EST HUMAN	601899230F1 NIH_MGC_19 Homo saplens cDNA clone IMAGE:4128535 67
8927			0.5	1.0E-54	11417222 NT		Homo saplens similar to nuclear factor related to kappa B binding protein (H. saplens) (LOC63182), mRNA
10459	23494	37105			1.0E-54 AA412409.1	EST_HUMAN	ZI10e09.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:731464 5'
10459	1				1.0E-54 AA412409.1	EST HUMAN	ZI10e09.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:731464 5
13086	{	L.	2.33		1.0E-54 AU077341.1	EST HUMAN	AU077341 Sugano cDNA library Homo sapiens cDNA clone Zn6C880 similar to 5'-end region of Human gamma-glutamy/ transpeptidase mRNA, 5 end
10588	ı	37208			9.0E-65 BE081469.1	EST HUMAN	QV2-BT0635-160400-143-h12 BT0635 Homo sapiens cDNA
1344	1	L			8.0E-55 Y07829.2	FZ	Homo sapiens RFB30 gene for RING finger protein
1348	1_		2.77		8.0E-55 Y07829.2	NT	Homo saplens RFB30 gene for RING finger protein
11471	L		1.83		8.0E-55 AW 409714.1	EST_HUMAN	fh02a02.x1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:2860907 5'
9008	<b>!</b> _		0.48		7.0E-55 AW 103839.1	EST HUMAN	xd76c02.x1 Soares_NFL_T_GBC_S1 Homo septens cDNA clone IMAGE:2803622 3' similar to TR:O60365 O80366 FOS39664_1 ;
9383	П	36021			7.0E-55 AA889581.1	EST_HUMAN	ak28a11.s1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:1407280 3'
9416	22490			L	7.0E-55 AU139909.1	EST HUMAN	AU139909 PLACE1 Homo saplens cDNA clone PLACE1011576 5'
11485	L	L	8.08		7.0E-55 AI561036.1	EST HUMAN	tq29f09_xf NCI_CGAP_Utf Homo saplens cDNA clone IMAGE:2210249 3'
11485	L	L	808		7.0E-55 AI561056.1	EST_HUMAN	tq29f09x1 NCI_CGAP_Ut1 Homo capiens cDNA clone IMAGE:2210249 3
12726					۲.	EST_HUMAN	7e37c01 x1 NCL CGAP Ju24 Home septens oDNA clone IMAGE:3284640 3
13050	ı		6.37		7.0E-65 H23396.1	EST_HUMAN	ym57g07.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMACE: 62444 6
11804	24794	38492	1.96			NT	Homo sapiens mRNA for KIAA1501 protein, partial cds
1810	14959	L				EST_HUMAN	295b09.s1 Scares_fettal_liver_splean_1NFLS_S1 Homo sapiens cDNA clone IMAGE:49261 (3
1810		L	1.21		5.0E-55 AA704971.1	EST HUMAN	2/95b09.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:482617.3
4894	ı	31010		L	5.0E-55 AW206021.1	EST_HUMAN	UI-H-BI1-efy-g-09-0-UI.s1 NCI_CGAP_Sub3 Home sapiens cDNA clone IMAGE:2723536 3
9670	19829		1.49		4502240 NT	LN	Homo sapiens aryisuifatase E (chondrodysplasia punctate 1) (ARSE), mRNA
6670	ı		1.49			TN	Homo sapiens aryisulfatase E (chondrodysplasia punctata 1) (ARSE), mRNA
9805	ł	L				NT	Homo saplens pareoxonase 2 (PON2) mRNA, and translated products
6805	1	L	1.08	5.0E-55	4506962 NT	NT	Home sepiens paracenase 2 (PON2) mRNA, and translated products
7182	i			5.0E-55	7382477 NT	TN	Homo sapiens Rho GTPase activating protein 6 (ARHGAP6), transcript variant 5, mRNA
7446	20523			5.0E-55	11434422 NT	LNT	Homo sapiens speckle-type POZ protein (SPOP), mRNA
	l						

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		_	_	_	_			_			_	_				_				-	*****	_	-	*t2	u -,		_			٠.		* ****	** ***	
	Top Hil Descriptor	Homo sapiens protein tyrosine phosphatase, receptor type, alpha polypeptide (PTPRA) mRNA	RC4-BT0310-110300-015-f10 BT0310 Homo saplens cDNA	Homo saplens mRNA for KIAA0611 protein, partial cds	Homo sapiens mRNA for KIAA0611 protein, partial cds	Homo sapiens nei (chicken)-IIIke 2 (NELL2), mRNA	Homo saplens SKAP55 homologue (SKAP-HOM), mRNA	Homo sapiens SKAP55 homotogue (SKAP-HOM), mRNA	Homo sapiens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA	EST370064 MAGE resequences, MAGE Homo saplens cDNA	Homo sapiens RNA binding motif protein, Y chromosome, family 1, member A1 (RBMY1A1) mRNA	Homo sapiens predicted octeoblast protein (GS3788), mRNA	Homo sapiens predicted osteoblast protein (GS3786), mRNA	7/52510.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo saplens cDNA clone IMAGE:3360043 3' similar to contains L1.t3 L1 repetitive element;	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2) mRNA	Homo sapiens protessome (prosome, macropain) subunit, alpha type, 2 (PSWA2) mRNA	Homo sapiens diacylgiycarol Kinase, gamma (90kD) (DGKG) mRNA	Homo sapiens diacyklycerol kinase, gamma (90kD) (DGKG) mRNA	Homo sapiens ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1) mRNA	Homo sapiens chromosome 21 segment HS21C010	43c5 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA	601886575F2 NIH_MGC_17 Homo saplens cDNA clone IMAGE:4120338 51	7B09A09 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7B09A09	PM1-HT0603-090300-001-g08 HT0603 Homo saplens dDNA	Homo sapiens chromosome 21 segment HS21C084	Human endogenous retrovirus pHE.1 (ERV9)	Human endogenous retroviral DNA (4-1), complete retroviral segment	Homo sapiens syntaxin-binding protein 1 (STXBP1) mRNA, and translated products	Homo sapiens ubiquitin protein Ilgase E3A (human papilloma virus E6-associated protein, Angelman	syndrome) (UBE3A) mRNA	CM1-HT0876-150800-357-g03 HT0876 Homo saplens cDNA	ULHF-BN0-aks-f-06-0-U.r.f NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3078275 5'	hr76h08.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:3134463 3'	hr76h08.x1 NCI_CGAP_Kid11 Homo seplens cDNA clone IMAGE:3134463 3'
	Top Hit Database Source	FZ	EST_HUMAN	ΙN	LN	N.	LN ⊢N	NT	N	EST_HUMAN	뉟	N	Į.	EST HUMAN	NT	N <sub>T</sub>	Į.	NT	LΝ	FN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	NT	LN		NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
•	Top Hit Acession No.	4506302 NT	5.0E-55 BE064386.1	5.0E-55 AB014511.1	5.0E-55 AB014511.1	5453765 NT	11421649 NT	11421649 NT	11417972 NT	4.0E-55 AW957994.1	4826973 NT	T661713 NT	7661713 NT	4.0E-55/BF061411.1	4506180 NT	4506180 NT	4503314 NT	4503314 NT	4507794 NT	4.0E-55 AL 163210.2	4.0E-55 W28189.1	4.0E-55 BF303941.1			3.0E-55 AL163284.2		2.0E-55 M10976.1	4507296 NT		4507798 NT	2.0E-55 BE719986.1	2.0E-55 AW501988.1	2.0E-55 BF224452.1	2.0E-55 BF224452.1
	Most Similar (Top) Htt BLAST E Value	5.0E-55	8.0E-55	5.0E-55	5.0E-55	5.0E-55	5.0E-55	5.0E-55	5.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	3.0E-55	3.0E-55	3.0E-55	2.0E-55 X57147.1	2.0E-55	2.0E-55		2.0E-66	2.0E-55	2.0E-55	2.0E-55	2.0E-55
	Expression Signal	23	0.91	1.53	1.53	1.13	1.3	1.3	1.73	2.24	32.17	2.16	2.15	1.72	2.19	2.19	8.38	8.36	3.02	9.85	2.31	1.82	0.68	4.18	3.53	1.69	1.08	3.98				0.85		0.48
	ORF SEQ ID NO:	35865					38236	١.					27711	<u>.                                    </u>	28341	28342	28412	28413					33279			26630		26880			31014	34217		35893
	SEQ ID NO:	22321	_	ł	23278	l	24560	l	25298	_	13873	14828	14626	14696	L	15221	15287	15287	15515		24563	25244	19887	25205	25719	13594	13757	13852		15199		25851		22342
	Probe SEQ ID NO:	9244	9520	10243	10243	10427	11502	11502	12421	56	688	1472	1472	1544	2081	2081	2151	2151	2384	8639	11605	12337	6731	12273	13103	388	565	999		3023	4897	7673	9285	9265

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Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
9361	22436		4.33		2.0E-55 AI002836.1	EST_HUMAN	am98h05.s1 Stratagene schizo brain S11 Homo saplens oDNA done IMAGE:16841853' similar to contains THR.b2 THR repetitive element ;
9442	<u> </u>		0.67	2.0E-56	2.0E-66 BE007969.1	EST_HUMAN	QV0-BN0147-280400-213-g06 BN0147 Homo sapiens cDNA
11182	24261	37897	2.35		2.0E-55/AU119344.1	EST_HUMAN	AU119344 HEMBA1 Homo saplens cDNA clone HEMBA1005583 5'
13177	16199	28222	1.34	2.0E-55	4507788 NT	Ę	Homo sepiens ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman syndrome) (UBE3A) mRNA
66	13334	26381	1.62	1.0E-55	4505080 NT	LΝ	Homo sapiens mannose-6-phosphate receptor (cation dependent) (M6PR) mRNA
194	13417	28448	40.5		1.0E-56 U09823.1	NT	Oryctolagus cuniculus New Zealand white elongation factor 1 apha (Rabefla2) mRNA, complete cds
588	•	26798	1.38		1.0E-65 AI026718.1	EST_HUMAN	ov86g09.x1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:1644160 3'
1173	14336	27392	3.92		1.0E-55 AB020710.1	N-	Homo sepiens mRNA for KIAA0903 protein, partial cds
2008	15148		2.33			EST_HUMAN	601120118F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE: 2967027 5
2006	'	28262			1.0E-55 BE277861.1	EST_HUMAN	601120118F1 NIH MGC 20 Homo saplens oDNA clone IMAGE:2867027 5
2401	15532		4.65		5803174 NT	LN	Homo sapiens SMA3 (SMA3), mRNA
2415	15997	28673			1.0E-55 AF000990.1	IN	Homo sapiens testis-specific Testis Transcript Y 1 (TTY1) mRNA, partial cds
2586						N-	Human mRNA for HLA-A11E, a MHC class I molecule (major histocompatibility complex)
2620	15743	28857	5.51	1.0E-55		L	Homo saplens mRNA for KIAA0406 protein, partial cds
2620	15743	28858		1.0E-55	1.0E-55 AB007866.2	LN	Homo sapiens mRNA for KIAA0406 protein, partial cds
2677	16797	28914				LN	Homo sapiens CLP mRNA, partial cds
2850	L	29073	1.22		1.0E-55 AB033046.1	LN	Homo saplens mRNA for KIAA1219 protein, partial cds
3495						EST_HUMAN	43c5 Human retina cDNA randomly primed sublibrary Homo saptens cDNA
4097	1		4.28		1.0E-55 AL163267.2	TN	Homo saplens chromosome 21 segment HS21C067
4409		30536	1.1	1.0E-55	1.0E-55 AL163210.2	u	Homo sepiens chromosome 21 segment HS21C010
4853	ı		0.94			EST_HUMAN	Jy44g03.r1 Soares fetal liver spieen 1NFLS Homo saplens cDNA clone IMAGE:246620 6
4948	18079	31054	1.15			LY.	Homo sapiens DSCR5b mRNA, complete cds
4949	18079	31055	1.15		1.0E-55 AB037163.1	LN	Homo saplens DSCR5b mRNA, complete cds
5614	18808	31876	0.65		1.0E-65 AF119856.1	LN	Homo saplens PRO1851 mRNA, complete cds
6401	19570	32832	7.26			Ę	Homo sapiens hect domain and RLD 2 (HERC2), mRNA
6401	19570	32933	7.26			LZ.	Homo sapiens hect domain and RLD 2 (HERC2), mRNA
8178	21260	34782	1.7	1.0E-65		LV	Homo saplens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2), mRNA
8178	21260	34783	1.7			LN	Homo sapiens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2), mRNA
8266	21348	34863	0.49		11421649 NT	LZ.	Homo sapiens SKAP55 homologue (SKAP-HOM), mRNA
8278	21355	34872			1.0E-55 AF224492.1	NT.	Homo sapiens phospholipid scramblase 1 gene, complete cds
8273	21355	34873	0.83		1.0E-55 AF224492.1	님	Homo sapiens phospholipid scramblase 1 gene, complete cds

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_		_		_		_	_	-	_		_	_	_	_			_			_	<del>-</del>	and,	. #	<u>-</u>			-		mer.	**	_	mn	****	4 5 11	** *****
	Top Hit Descriptor	Homo saplens chromosome 21 segment HS21C010	Homo saplens chromosome 21 segment HS21C010	Human infant brain unknown product mRNA, complete cds	Seq1576 b4HB3MA Cote HAP-Ft Homo sapiens cDNA clone b4HB3MA-COT6-HAP-Ft61 5' similar to	to critical namen of the county in the critical in the critica	Hano sabiens hypothetical protein FL/10891 (FL/10891), mKNA	Homo saplens DNA-binding protein (LOC56242), mRNA	601237702F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3609552 5	Hano sapiens chromosome 21 segment HS21 C009	yn62g03.r1 Soares adult brain N2b5HB55Y Homo saplens cDNA clone IMAGE:173044 5' similar to contains	I HIX repetitive element;	RC1-C10252-231099-013-b07 CT0252 Homo sapiens oDNA	RC1-CT0252-231099-013-b07 CT0252 Homo sapiens cDNA	RC3-BN0053-170200-011-h01 BN0053 Homo sapiens cDNA	UI-H-Blop-aau-a-05-0-UI.s1 NCL_CGAP_Sub2 Homb sapiens cDNA clone (MAGE:2710544 3)	43c5 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA	CHR220038 Chromosome 22 exon Homo saplens cDNA clone C22_55 5'	Homo sapiens beta-tubulin mRNA, complete cds	Homo sapiens beta-tubulin mRNA, complete cds	Homo saplens tubulin, beta polypeptide (TUBB) mRNA	Homo saplens tubulin, beta polypeptide (TUBB) mRNA	Homo sapiens X-linked arhidrolitic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	regions	Homo sapiens uncharacterized bone marrow protein BM031 mRNA, complete cds	Homo saplens uncharacterized bone merrow protein BM031 mRNA, complete cds	Homo sapiens lymphocyte-specific protein 1 (LSP1) gene, LSP1-7 allele, partial cds	tm65g12.x1 NCI_CGAP_Brn25 Home septens cDNA clone IMAGE:2163046 3'	Im65g12.x1 NOI_CGAP_Bm26 Homo sapiens cDNA cicne IMAGE:2163046 3'	Homo sapiens hypothetical protein PRO1304 (PRO1304), mRNA	Homo sapiens 5⋅3' exoribonuclease 2 (XRN2), mRNA	Homo sapiens oncogene TC21 (TC21), mRNA	EST28889 Cerebellum II Homo sapiens cDNA 6' end	EST28889 Cerebellum II Homo saplens cDNA 5' end	Homo sapiens MHC class 1 region
	Top Hit Database Source	NT	, IN	Z	Hou	NEW LONG	Z	N	EST HUMAN	NT	1417 E C.	ESI HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	NT	NT	TN	NT		LZ.	N	NT	NT	EST_HUMAN	EST HUMAN	N	M	TN	EST_HUMAN	EST_HUMAN	<u>F</u>
	Top Hit Acession No.	1.0E-55 AL163210.2	1.0E-55 AL163210.2	1.0E-55 U50950,1	740040 4	10045.1	8922743 N	10567821 NT	9.0E-56 BE379074.1	8.0E-56 AL163209.2		7.0E-06 H19934.1	7.0E-56 AW381213.1	7.0E-56 AW361213.1	5.0E-56 AW997712.1	5.0E-56 AW015507.1	5.0E-56 W 28189.1	5.0E-56 H55099.1	4.0E-56 AF141349.1	4.0E-56 AF141349.1	4507728 NT	4507728 NT		4.0E-56 AF003528.1	4.0E-56 AF217508.1	4.0E-56 AF217508.1	4.0E-56 AF043349.1	4.0E-56 A 498066.1	4.0E-56 Al498066.1	8924029 NT	6912743 NT	6912697 NT	3.0E-56 AA325826.1	3.0E-56 AA325826.1	3.0E-56 AF055066.1
Mont Chailer	(Top) Hit BLAST E	1.0E-35	1.0E-55	1.0E-55	4 OC 60 T40040 4	CC-20.1	1.0E-55	1.0E-55	9.0E-56	8.0E-56	20.5	7.05-56	7.0E-56	7.0E-56	5.0E-56	5.0E-56	5.0E-56	5.0E-56	4.0E-56	4.0E-56	4.0E-56	4.0E-56		4.0E-56	4.0E-56	4.0E-56	4.0E-56	4.0E-56	4.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56
	Expression Signal	2.41	2.41	1.86	101	1.34	2.67	1.78	1.85	1.34	1	80.7	1.93	1.93	2.7	17.0	1,35	2.47	8.64	8.64	3,61	3.61		9.22	4.94	4.94	1.68	7.73	7.73	2.69	1.84	1.6	1.67	1.67	2.81
	ORF SEQ ID NO:				03567			1	j	38277		1			27968	38892																28482	29376		
	SEQ ID NO:	24223	L		20074	Į	- 1	- 1		24601		- 1	Į	1			23634	L_l	13266			15888	1	- 1					24234			15351			17098
	Probe SEQ ID NO:	11152	11152	11733	44766	00/11	11/89	11876	7522	11545		28/2	7818	7818	1727	8362	10599	12513	28	28	2773	2773		2873	6387	6387	10724	11163	11163	1372	1804	2217	3195	3195	3939

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Exon ORF SEQ Expression (Top) Hit Top Hit Acession Database NO: Signal BLASTE No. Source	Expression (Top) Hit Top Hit Acession Signal BLASTE No.	Top Hit Acession No.		Top Hit Database Source		Top Hit Descriptor
57042 NT	0.67 3.0E-56 7657042 NT	3.0E-56 7657042 NT	57042 NT		Homo sapiens Down synt	Homo sapiens Down syndrome candidate region 1 (DSCR1), mRNA
30664 4.42 3.0E-56 AL163268.2 NT	4.42 3.0E-66 AL163268.2 NT	3.0E-56 AL163268.2 NT	NT		Homo sapiens chromoso	Homa sapiens chromosome 21 segment HS21C068
17830 30816 2.4 3.0E-56 5902085 NT Homo capiens cuperkiller	2.4 3.0E-56 5902085 NT	3.0E-86 5902085 NT	5902085 NT		Homo sapiens superkiller	Homo sapiens superkiller viralicidic activity 2 (S. cerevisiae homolog)-like (SKIV2L), mRNA
18991 32283 1.5 3.0E-56 4759163 NT Homo sapiens spardoster	1.5 3.0E-56 4759163 NT	3.0E-56 4759163 NT	4759163 NT		Homo sapiens spard/ostex	Hamo sapiens spara/osteonectin, owov and kazal-like domaine proteoglycan (testican) (SPOCK) mRNA
18991 32294 1.5 3.0E-66 4759163 NT Homo saplens spandoste	1.5 3.0E-56 4769163 NT	3.0E-56 4759183 NT	4759163 NT		Homo sapiens sparc/oste	Homo saplens sparofosteonectin, owov and kazal-like domains proteoglycan (testican) (SPOCK) mRNA
33571 5.5 3.0E-56 11421124 NT	5.5 3.0E-56 11421124 NT	3.0E-56 11421124 NT			Homo sapiens lysosomal-	Homo sapiens lysosomal-associated membrane protein 2 (LAMP2), mRNA
34023 2.07 3.0E-56 4604970 NT	2.07 3.0E-56 4604970 NT	3.0E-56 4604970 NT	4604970 NT		Homo sapiens LIM binding	Homo saplens LIM binding domain 2 (LDB2) mRNA
34024 2.07 3.0E-56 4504970[NT	2.07 3.0E-56 4504970 NT	3.0E-56 4504970 NT	4504970 NT		Homo sapiens LIM binding	Homo sapiens LIM binding domain 2 (LDB2) mRNA
35635 6.11 3.0E-58 11418704 NT	6.11 3.0E-56 11418704 NT	3.0E-56 11418704 NT	418704 NT		Homo saplens bone morp	Homo saplens bone morphogenetic protein 5 (BMP5), mRNA
36652 0.9 3.0E-56 D63479.2 NT	0.9 3.0E-56 D63479.2 NT	3.0E-56 D63479.2 NT	LN		Homo saplens mRNA for	Homo saplens mRNA for KIAA0145 protein, partial cds
37336 1,39 3.0E-56 11434956 NT	1,39 3.0E-56 11434956 NT	3.0E-56 11434956 NT	4956 NT		Homo sapiens KIAA031	Homo sapiens KIAA0317 gene product (KIAA0317), mRNA
37693 2.62 3.0E-56 AB042556.1  NT	2.62 3.0E-56 AB042556.1 NT	3.0E-56 AB042556.1 NT	TN		Homo sapiens mRNA, s	Homo sapiens mRNA, similar to rat myomegalin, completa cds
38330 4.64 3.0E-56 5902013 NT	4,64 3,0E-56 6902013 NT	3,0E-56 6902013 NT	5902013 NT		Homo sapiens nuclear I	Homo sapiens nuclear pore complex interacting protein (NPIP), mRNA
38331 4.64 3.0E-56 5902013 NT	4,64 3,0E-56 5902013 NT	5902013 NT	5902013 NT		Homo sapiens nuclear p	Homo sapiens nuclear pore complex interacting protein (NPIP), mRNA
1.62 3.0E-56 11434876 NT	1.62 3.0E-56 11434876 NT	3.0E-56 11434876 NT	11434876 NT		Homo sapiens caveolin	3 (CAV3), mRNA
32076 1.62 3.0E-56 11434876 NT	1.62 3.0E-56 11434876 NT	3.0E-56 11434876 NT	11434876 NT		Homo sapiens caveolin	3 (CAV3), mRNA
11.95 2.0E-56 AA199818.1 EST_HUMAN	11.95 2.0E-56 AA199818.1 EST_HUMAN	2.0E-56 AA199818.1   EST_HUMAN	EST_HUMAN		zq52a08.s1 Stratagene	zq52a08.s1 Stratagene neuroapithelium (#937231) Homo sapiens cDNA clone IMAGE:645206 3'
26976 1.18 2.0E-56 BE064386.1   EST_HUMAN	1.18 2.0E-56 BE064386.1   EST_HUMAN	2.0E-56 BE064386.1  EST_HUMAN	EST_HUMAN		RC4-BT0310-110300-0	RC4-BT0310-110300-015-f10 BT0310 Homo sapiens cDNA
26976 1.18 2.0E-56 BE064386.1  EST_HUMAN	1.18 2.0E-56]BE064386.1 [EST_HUMAN	2.0E-56 BE064386.1   EST_HUMAN	EST_HUMAN		RC4-BT0310-110300-0	RC4-BT0310-110300-015-f10 BT0310 Homo sepiens cDNA
29249 0.94 2.0E-56 AB037835.1 NT	0.94 2.0E-56 AB037835.1 NT	2.0E-56 AB037835.1 NT	N		Homo sapiens mRNA fo	Homo sapiens mRNA for KIAA1414 protein, partial cds
0.84 2.0E-56 AB008981.1 NT	0.84 2.0E-56 AB008681.1 NT	2,0E-56 AB008681.1 NT	Ā	_	Homo saplens gene for s	Homo saplens gene for activin receptor type IIB, complete cds
29806 1.26 2.0E-56 AV703184.1 EST_HUMAN	1.26 2.0E-56 AV703184.1 EST_HUMAN	2.0E-56 AV703184.1 EST_HUMAN	EST_HUMAN	T HUMAN	AV703184 ADB Homo s	AV703184 ADB Homo saplens cDNA clone ADBCFG10 5'
33767 1.39 2.0E-66 5730038 NT	1.39 2.0E-66 5730038 NT	2.0E-66 5730038 NT	5730038 NT		Homo sapiens SET dorr	Homo sapiens SET domain and mariner transposase fusion gene (SETMAR) mRNA
Г	1.0E-56/AF190930.1 NT	Ā	Ā	Г	Macaca fascicularis prot	Macaca fascicularis protain tyrosine phosphatase (PRL-1) mRNA, complete cds
	1.84 1.0E-56 AW 589833.1 EST HUMAN	1.0E-56 AW 589833.1   EST HUMAN	EST HUMAN		hg23c11.x1 NCI_CGAP	hg23c/1.x1 NCI_CGAP_CC6 Homo sapiens cDNA clone IMAGE:2946452 3'
29929 1.84 1.0E-56 AW589833.1   EST HUMAN	1.84 1.0E-56 AW589833.1 EST HUMAN	1.0E-56 AW589833.1   EST HUMAN	EST HUMAN	Г	hg23c11.x1 NCI_CGAP	GC& Homo sapiens oDNA clone IMAGE: 2946452 3'
1.42 1.0E-66 A1905182.1 EST HUMAN	1.42 1.0E-66 A1905182.1 EST HUMAN	1.0E-56 Al905182.1 EST HUMAN	EST_HUMAN	Г	QV-BT077-130199-079	QV-BT077-130199-079 BT077 Homo sapiens cDNA
0.69 1.0E-56 AL163203.2 NT	0.69 1.0E-56 AL163203.2 NT	1.0E-56 AL163203.2 NT	N		Homo sapiens chromos	Homo capiens chromosome 21 segment HS21C003
36886 1.52 1.0E-58 AW845987.1 EST_HUMAN	1.52 1.0E-56 AW845987.1 EST_HUMAN	1.0E-58 AW845987.1 EST_HUMAN	EST_HUMAN	Г	RC2-CT0163-220999-(	RC2-CT0163-220999-001-E02 CT0163 Homo sapiens cDNA
1.39 9.0E-57 AW880886.1 EST_HUMAN	1.39 9.0E-57 AW880886.1 EST_HUMAN	9.0E-57 AW880886.1 EST_HUMAN	EST_HUMAN	П	QV0-OT0033-070300-1	QV0-OT0033-070300-152-h03 OT0033 Homo sapiens cDNA
38227 1.72 9.0E-57 AF228497.1 NT	1.72 8.0E-67 AF228497.1 NT	9.0E-67 AF228497.1 NT	IN		Homo saplens serine pro	Homo saplens serina protease 17 (KLK4) gene, complete cds
38228 1.72 9.0E-57 AF228497.1 NT	1.72 9.0E-57 AF228497.1 NT	9.0E-57 AF228497.1 NT	INT		Homo sapiens serine profe	Homo sapiens serine protease 17 (KLK4) gene, complete cds

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Top Hit Descriptor	Homo sapiens mRNA for cyclin B2, complete cds	Homo saplens hypothetical protein FLJ20371 (FLJ20371), mRNA	QV4-ST0234-181199-037-105 ST0234 Homo sapiens oDNA	xo55410 xt NCI_CGAP_Brn53 Homo sepiens cDNA clone IMAGE:2759251 3' similar to g6:U05875 INTERFERON-GAMMA RECEPTOR BETA CHAIN PRECURSOR (HUMAN);	zu51b12.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:757151 5	Homo sapiens econliase 2, mitochondrial (ACO2), mRNA	Homo sapiens mRNA for KIAA0898 protein, partial cds	Homo saplens mRNA for KIAA0960 protein, partial cds	Homo sapiens mRNA for KIAA0960 protein, partial cds	Homo sapiens KIAA0716 gene product (KIAA0716), mRNA	Homo saplens mRNA for KIAA0837 protein, partial cds	Homo supiens mRNA for KIAA0837 protein, partiel ods	Homo sapiens hypothetical protein FLJ20371 (FLJ20371), mRNA	Homo sapiens ninein (LOC51199), mRNA	Homo sapiens Ras suppressor protein 1 (RSU1), mRNA	Homo sapiens SH3-domain binding protein 1 (SH3BP1), mRNA	Homo sapiens SH3-domain binding protein 1 (SH3BP1), mRNA	Homo saplens GYS2 gene, exon 14	Homo sapiens smg GDS-ASSOCIATED PROTEIN (SMAP), mRNA	Homo saplens smg GDS-ASSOCIATED PROTEIN (SMAP), mRNA	Homo eaplens Kruppel-like factor 8 (KLF8), mRNA	Homo sapiens phosphatidylinositol 4-kinase 230 (pl4K230) mRNA, complete cds	Homo saplens phosphatidy/inositol 4-kinase 230 (p/4K230) mRNA, complete cds	Homo sapiens Xq pseudoautosomal region; segment 1/2	Homo saplens DNA, DLECH to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	Homo sapiens ubiquitin protein ligase E3A (human papilloma virus E6-associated protein, Angelman	syndrome) (UBE3A) mRNA	nc13f07.s1 NG_CGAP_Pr1 Homo septens cDNA clone IMAGE:1008037 clmitar to SW:RS10_HUMAN P49783 40S RIBOSOMAL PROTEIN S10.;	EST54770 Hippocampus II Homo saplens cDNA 5' end	783b10x1 NG_CGAP_CLL1 Homo sapiens cDNA clone IMAGE:3296443 3' similar to WP:Y47H9C.2 CE20263 ;
Top Hit Detabase Source	LN:	N	EST_HUMAN	EST HUMAN	EST HUMAN	N	FZ.	N	LZ LZ	LN.	Ν	Į.	Z	Į.	Į,	NT	LZ LZ	TN	ZI	Ę	TN	IN	LN.	ΝŢ		TN		IN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acessian No.	9.0E-57 AB020981.1	8923349 NT	8.0E-57 AW816405.1	8.0E-67 AW 264599.1	8.0E-57 AA496109.1	11418185 NT	8.0E-57 AB020705.1	8.0E-57 AB023177.1	8.0E-57 AB023177.1	7662263 NT	8.0E-57 AB020644.1	8.0E-57 AB020644.1	8923349 NT	11433356 NT	11431250 NT	11545732 NT	11545732 NT	7.0E-57 AJ003100.1	7657592 NT	7657592 NT	TN 6205979 NT	7.0E-57 AF012872.1	7.0E-57 AF012872.1	5.0E-57 AJ271735.1		4.0E-57 AB026898.1		4507798 NT	3.0E-57 AA230279.1	3.0E-57 AA348335.1	3.0E-57 BE676622.1
Most Similar (Top) Hit BLAST E Value	9.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-67	8.0E-57	7.0E-57	7.0E-57	7.0E-57	7.0E-57	7.0E-57	7.0E-57	5.0E-57		4.0E-57		3.0E-57	3.0E-57	3.0E-57	3.0E-57
Expression Signal	2.2	1.02	2.93	7.49	1.45	1.92	0.61	12.82	12.82	0.62	1.54	1.54	3.51	1.74	1.53	1.67	1.94	0.88	76.0	76.0	0.81	3.14	3.14	3.99		6.03		0.64	12.47	1.12	1.03
ORF SEQ ID NO:			26558	27147	28112	31679	33066	33138	33139	34152	34486	34487		38726		32007		27467	·		Z893Z	30143	30144			30010		27062		28716	28882
SEQ ID	24801	13252	13524	14082	15005	26034	19633	19753	19753		20977	20977	13252		25082			14405	15817	15817	16517	17139	17139	26071		17009		14005	14516	15591	15883
Probe SEQ ID NO:	11811	14	308	206	1859	5366	6259	6593	6593	7607	7927	7927	11768	12041	12102	12791	12808	1246	2698	2698	3344	3982	3982	13185		3849		827	1362	2464	2768

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					) Buily	EXON PRODE	Single Exon Probes Expressed in Placenta
Probe SEQ ID NO:	SEO ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vælue	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
2768	15883		1.03	3.0E-57	3.0E-57 BE676622.1	EST_HUMAN	7733b10.x1 NCI_CGAP_CLL1 Homo saplens cDNA clone IMAGE:3296443 3' similar to WP:Y47H9C.2 CE20263 ;
3652	L	29827	-	3.0E-57	3.0E-57 AF232708.1	LΝ	Homo sapiens cell-line taA201a chloride ion current inducer protein I(Cin) gene, complete cds
3788	L		51.29	3.0E-57	3.0E-57 AW853964.1	EST_HUMAN	RC3-CT0254-110300-027-d10 CT0254 Homo sapiens cDNA
6153	l_	32675	1.25	3.0E-57	11225608	TN	Homo sapiens angiotensin I converting enzyme (peptidyi-dipeptidase A) 2 (ACE2), mRNA
6251	19425	32771	3.25		3.0E-57 BE796537.1	EST_HUMAN	601589896F1 NIH_MGC_7 Home sapiens cDNA clone IMAGE:3944302 5'
8338					3.0E-57 W 28130.1	EST HUMAN	4216 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA
8363	21444	34966	1.99	3.0E-57	11545798 NT	NT	Homo sapiens.hypothetical protein FLJ11656 (FLJ11656), mRNA
8363	21444	34967	1.99	3.0E-57	11845798 NT	LΝ	Homo sepiens hypothetical protein FLJ11656 (FLJ11956), mRNA
8476	1		0.78	3.0E-57	11427757 NT	LN-	Homo sapiens KIAA0849 gene product (KIAA0649), mRNA
8624	1		79.0		3.0E-57 J05262.1	NT	Human farnesyl pyrophosphate synthetase mRNA, complete cds
6906	i				3.0E-57 AU117659.1	EST_HUMAN	AU117659 HEMBA1 Hamo sapiens cDNA clane HEMBA1001910 5'
9451	22567			3.0E-57	11545798 NT	۲N	Homo saplens hypothetical protein FLJ11659 (FLJ11656), mRNA
9451	1				11545798 NT	LN	Homo sapiens hypothetical protein FLJ11656 (FLJ11656), mRNA
11148	L				3.0E-57 AW248374.1	EST_HUMAN	2820473. Sprime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2820473 6'
12384	26167	31554	6.37		3.0E-57 W23871.1	EST_HUMAN	zb45d11.r1 Soares_fetal_lung_NbHL19W Home capiens cDNA clone IMAGE:306549 5
12982	25640		1.17		3.0E-57 AJ003649.1	EST_HUMAN	AJ003649 Selected chranosome 21 cDNA library Home sapiens cDNA done MPIpt10-1L1
1530	L		2.89		2.0E-57 AF246219.1	TN	Homo sapiens SNARE protein kinase SNAK mRNA, complete cots
1530	14683	27783			2.0E-57 AF246219.1	N	Homo sapiens SNARE protein kinase SNAK mRNA, complete cds
	1						ak02b02.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA olone IMAGE:1404747 3' sImilar to
2780	- 1	29014	5.5		2.0E-57 AA845419.1	ESI HOMAN	Contains Aid repositive electronic contains electronic many and a contains and a contains and a contains and a contains a contains and a contains a contai
3525					2.0E-57 AL163204.2	Ł	Homo capiens anomocame z1 segment noz10004
3641	16805	29818	0.72		2.0E-57 R07702.1	EST_HUMAN	ye98h01.r1 Soares fetal liver spleen 1NFLS Home saplens cDNA clone IMAGE:128609 5
3841	16805	29819	0.72			EST_HUMAN	ye98h01 r1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:125809 6
4304	L		0.71	2.0E-57		EST_HUMAN	ze40c06.r1 Soares retina N2b4HR Homo sapiens cDNA done IMAGE:361460 6
4304	L	L	0.71		2.0E-57 AA018299.1	EST_HUMAN	ze40c06.r1 Soares retina N2b4HR Homo sapiens cDNA clone IMAGE:381450 5'
4632	L	30749			2.0E-57 AL163283.2	F	Homo sapiens chromosome 21 segment HS21C083
	L						zs31c05.r1 Soares retina N2b4HR Homo saplens cDNA clone IMAGE:360584 6' similar to contains L1.3 L1
6786	18977		1.48		2.0E-57 AA016131.1	EST_HUMAN	repetitive element;
	1						7n80f04.X1 NCI_CGAP_Ov18 Homo saplens cDNA clone IMAGE:3570966 3' cimilær to contains TAR1.11
6158	19334		31.41		BF1152	EST_HUMAN	WER22 repetitive element;
6288	19461	32813	6.34		7 11431281 NT	NT	Home sapiens small inducible cytokine subfamily A (Cys-Cys), member 22 (SCYA22), mRNA
8832		35449			2.0E-57 AF045452.1	NT	Homo sapiens cell-line KG1 transcriptional regulatory protein p54 mRNA, complete cds
10051		ļ	1.06		AF057722.1	NT	Homo sapiens 17-beta-hydroxysteroid dehydrogenase IV (HSD17B4) gene, exons 3 and 4

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Top Hit Descriptor	Homo sapiens hypothetical protein FLJ20041 (FLJ20041), mRNA	Homo sapiens hypothetical protein FLJ20041 (FLJ20041), mRNA	Homo sapiens partial mRNA for PEX5 related protein	Homo capiens partial mRNA for PEX5 related protein	Multiple scierosis associated retrovirus polyprotein (pol) mRNA, partial cds	UI-HF-BN0-akt-g-07-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3078348 51	ho32a08.x1 NCI_CGAP_Lu24 Homo saplens cDNA clone IMAGE:3039062 3' similar to TR:000246 000246 HYPOTHETICAL 9:3 KD PROTEIN;		٦		u (601309465F1 NIH_MGC_44 Homo sapiens cDNA clane IMAGE:3631000 5	J 601445948F1 NIH_MGC_65 Homo sepiens cDNA clone IMAGE:3850211 57	t34b07.xt NCI_CGAP_Ov23 Homo sapiens cDNA clone IMAGE:2220181 3' similar to TR:O15475 O15475 UNNAMED HERV-H PROTEIN;	Ţ		Homo saplens putative protein O-mannosyltransferase (POMT2), mRNA	Home sapiens putative protein O-mannosytransferase (POMT2), mRNA	Homo sapiens DHHC1 protein (LOC51304), mRNA	4 601348704F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3687577 5	Homo sapiens MADS box transcription enhancer factor 2, polypoptide B (myccyte enhancer factor 2B)	T	Т	Ţ	Г			TCAAP1E1219 Pediatric acute myelogenous leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo sapiens cDNA clone TCAAP1219	Homo sepiens chemokine MIP-2 gamma (MIP-2 gamma) mRNA, complete cds	Homo sapiens protein tyrosine phosphatase, non-receptor type 21 (PTPN21), mRNA	Homo sapiens hypothetical protein FLJ20454 (FLJ20454), mRNA
Top Hit Database Source	Z	Ľ.	N.	NT	Z	EST_HUMAN	EST_HUMAN		EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN	TN	LN	N-	EST_HUMAN	Ę	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN		EST_HUMAN	EST HUMAN	Z	N FN	LN L
Top Hit Acession No.	11424084 NT	11424084 NT	2.0E-57 AJ245503.1	2.0E-57 AJ245503.1	2.0E-57 AF009668.1	1.0E-57 AW 503208.1	1.0E-57 BE043031.1		1.0E-57 AW 470791.1	9.0E-58 AA297847.1	9.0E-58 BE395061.1	8.0E-58 BE668715.1	8.0E-58 AI798376.1		8.0E-58 AI798378.1	11434921 NT	11434924 NT	7706132 NT	7.0E-58 BE561971.1	TA CA 24 TA	7.0E-58 AW504109.1	7.0E-58 AW504109.1	6.0E-58 BE395061.1	6.0E-58 AU130689.1		6.0E-58 BE242150.1	6.0E-58 BE242150.1	6.0E-58 AF106911.1	11434746 NT	11526291 NT
Most Similar (Top) Hit BLAST E Value	2.0E-57	2.0E-57	2.0E-57	2.0E-57	2.0E-57	1.0E-57	1.0E-57		1.0E-57	9.0E-58	9.0E-58	8.0E-58	8.0E-58		8.0E-58	8.0E-58	8.0E-58	8.0E-58	7.0E-58	1 L	7.0E-58	7.0E-58	6.0E-58	8.0E-58		6.0E-58	6.0E-58	6.0E-58	6.0E-58	6.0E-58
Expression Signal	1.55	1.55	1.76	1.76	2.69	1.89	1.87		11.29	0.83	1.94	1.68	4.24		4.24	2.4	2.4	2.76	0.93	7 17	2.61	2.61	1.53	5.25		1.01	1.01	0.98	1.27	1.22
ORF SEQ ID NO:	38281	38282	38327	38328	31664	28569				32288			26886		26887		28158		08688		37873		L	ł	_	29160	29161	}_	37163	
SEQ ID NO:	24604	24604	24845	24645	26097	15437	21970	l	- 1	[	25567	13791	13857		13857	15047	15047	16216	20465	2446	1	1_		15578		16142	16142	19472	ı	1
Probe SEQ ID NO:	11548	11548	11592	11592	13214	2305	8891		12545	5794	12854	602	671		671	1904	1904	3040	7387	11005	11170	11170	2328	2448		2998	2966	6299	10517	12654

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									ACACA													٦			Sluvity			hilla B)						-
	Top Hit Descriptor	Homo sapiens synaptojanin 1 (SYNJ1), mRNA	RC4-NT0057-160600-016-b05 NT0057 Homo sapiens cDNA	CM3-UM0043-240300-127-e07 UM0043 Hamo sapiens cDNA	CM3-UM0043-240300-127-e07 UM0043 Homo saplens cDNA	CM3-UM0043-240300-127-607 UM0043 Homo saplens cDNA	CM3-UM0043-240300-127-e07 UM0043 Homo sapiens cDNA	α98e07.s1·NCI_CGAP_Lu5 Homo saplens cDNA clone IMAGE:1603908 3'	ts99e07.x1 NCL_CGAP_GC6 Homo septiens cDNA clone IMAGE:223846B 3' similer to SW:PRO2_ACACA P19984 PROFILM II :	Homo sapiens placenta-specific 1 (PLAC1), mRNA	ym51h07.r1 Scares infant brain 1NIB Homo sapiens cDNA clone IMAGE:52071 5	Homo sapiens chromosome 21 segment HS21C085	Homo saplens apical protein, Xenopus laevis-like (APXL), mRNA	Homo sapiens nibrin (NBS) mRNA, complete cds	Homo sapiens nibrin (NBS) mRNA, complete cds	Homo sapiens holocytochrome c synthase (cytochrome c heme-lyase) (HCCS) mRNA	Homo sapiens hypothetical protein FLJ10826 (FLJ10826), mRNA	Homo sapiens mRNA for KIAA161.7 protein, partial ods	Homo sapiens pre-mRNA splicing factor similar to S. cerevisiae Prp18 (PRP18), mRNA	Homo sapiens chromosome 21 segment HS210018	Homo capiens mRNA for KIAA0611 protein, partial cds	Homo sapiens mRNA for KIAA0611 protein, partial cds	Homo sapiens cat eye syndrome chromosome region, candidate 1 (CECR1), mRNA	Homo sapiens acetyl-Coenzyme A carboxylase alpha (ACACA), mRNA	Homo sapiens ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit (oligomycin sensitivity	conferring protein) (ATP5O) mRNA	Homo sapiens interleukin 10 receptor, beta (IL10RB), mRNA	Homo espiens coagulation factor IX (plasma thromboplastic component, Christmas disease, hemophilia B)	(F9) mRNA	Human beta-prime-adaptin (BAM22) gene, exon 3	Human mRNA, Xq terminal portion	Homo sepiens EGF-like repeats and discoidin I-like domains 3 (EDIL3), mRNA	hy18a02.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:31976423'	Homo sapiens E1B-55kDa-associated protein 6 (E1B-AP5), mRNA
	Top Hit Database Source	FZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	FST HUMAN	N	EST_HUMAN	FZ	FZ	NT	L	LN	NT	TN	TN	TN	IN	NT	IN	IN		Ę	±Ν		ΝΤ	IN	IN	NT	357.1 EST_HUMAN	LZ.
,	Top Hit Acession Na	4507334 NT	5.0E-58 BE763984.1	5.0E-58 AW 797948.1	5.0E-58 AW797948.1	5.0E-58 AW797948.1	5.0E-58 AW 797948.1	5.0E-58 AA988183.1	5 OF-58 A 1636745 1	11496282 NT		5.2	11421330 NT	5.0E-58 AF051334.1	5.0E-68 AF051334.1	4885400 NT	8922693 NT	5.0E-58 AB046837.1	11430647 NT	6.0E-58 AL163218.2	5.0E-58 AB014511.1	5.0E-58 AB014511.1	11526293 NT	11426423 NT		4502302 NT	4504634 NT		4503648 NT	4.0E-58 U36251.1	4.0E-58 D16470.1	5031660 NT	4.0E-58 BE463857.1	11424059
	Most Similar (Top) Hit BLAST E Value	5.0E-58	5.0E-58	6.0E-58	5.0E-58	6.0E-58	5.0E-58	6.0E-58	A 0E-58	5.0E-58	5.0E-58 H23072.1	6.0E-68	5.0E-58	5.0E-58	5.0E-68	5.0E-58	6.0E-58	5.0E-58	5.0E-58	6.0E-58	5.0E-58	5.0E-58	5.0E-58	5.0E-58		4.0E-58	4.0E-58		4.0E-58	4.0E-58	4.0E-58	4.0E-58	4.0E-58	4.0E-58
	Expression Signal	3.06	96.9	2.9	2.9	2	2	4.09	8	<u>1</u>	6.55	0.79	1.03	9.0	9.0	0.71	80.6	0.68	96.0	1.8	0.65	99'0	4.5	1.47		1.71	1.87		1.24	212	1.41	1	0.68	7.44
	ORF SEQ ID NO:	26560	28950	27442	27443	27442	27443	L			32834	33063	33148	33685				35167	36701	36973	37264	37255									L			
	Exon SEQ ID NO:	13527	L	L	1	Ĺ	14382	16570		1_	L	ı	1	L	20232	L.	ı		{	23363	L	23646		26102	_	i	13998		i	15818	16572		21045	24675
	Probe SEQ ID NO:	311	728	1221	1221	1222	1222	3400	49.72	5748	6307	6524	8800	6917	6917	7255	8166	8548	10061	10328	10812	10612	12362	12850		384	819		1496	2896	3402	3834	7895	11624

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					ifile	EXOII FIODE	Single Exoli Probes Expressed in Pracenta
Probe SEQ ID NO;	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
345	13556		96.0		3.0E-58 R17879.1	EST_HUMAN	yg10e02.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31693 5'
1420	14574		2.6	3.0E-58	4758981 NT	N	Homo sapiens peptide YY (PYY) mRNA
3246	16420	29435	3.07	3.0E-68	3.0E-68 BF569848.1	EST_HUMAN	602185789F1 NIH_MGC_45 Homo sapiens cDNA clone IMAGE:4309943 6'
3246	16420		3.07	3.0E-58	3.0E-58 BF569848.1	EST_HUMAN	602185789F1 NIH_MGC_45 Homo saplens cDNA clone IMAGE:4309943 5'
6390	19559	L	0.61	3.0E-58	3.0E-58 BE089509.1	EST HUMAN	QV0-BT0702-170400-194-f09 BT0702 Homo saplens cDNA
6574	19736		1.1	3.0E-58	3.0E-58 F07056.1	EST_HUMAN	HSC1TG081 normalized Infant brain cDNA Homo sepiens cDNA clone c-1tg08
6778	19933	62888	2.49	3.0E-58	3.0E-58 AV712977.1	EST_HUMAN	AV712977 DCA Homo sapiens oDNA clone DCAAZG04 5
963	14136	27197	12.47	2.0E-58	2.0E-58 AF068624.1	L	Homo sapiens 5-aminolevulinate synthase 2 (ALAS2) gene, complete cds
							ba08b07.y1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE;2823733 5 similar to gb:X69391 60S
1318	14474		7.88		2.0E-58 BE208532.1	EST HUMAN	KIBUSUMAL PROTEIN L5 (HUMAN); 9D:X61987 M. muscullus minna 107 / AX responsive element dinging protein (MOUSE);
5451	18651	31630			2.0E-58 AW074831.1	EST HUMAN	Xa08a09.x1 Soares NFL T GBC S1 Homo sapiens cDNA clone IMAGE:2567704 3
5473	1		2.63		2.0E-58 BE907186.1	EST_HUMAN	601499961F1 NIH_MGC_70 Homo saplens cDNA clone IMAGE;3901911 51
5473	1				2.0E-58 BE907186.1	EST_HUMAN	601499961F1 NIH_MGC_70 Home sapiens cDNA clone IMAGE:3901911 61
6182	19358				2.0E-58 BF513488.1	EST_HUMAN	UI-H-BW1-ams-g-11-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE:3071060 31
							em57e02.x1 Johnston frontal cortex Homo sapiens cDNA clone IMAGE:1539674 3' similar to WP:ZK328.1 Ceneros i ipidi untin com il da ting en zyvane. RECOVERIN SI REAM! Y OF FE HAND CALCIIIM
6249	19423	32769	2.16		2.0E-58 A1124874.1	EST_HUMAN	BINDING PROTEIN;
6283	19456	32806	0.83	2.0E-58	2.0E-58 R92587.1	EST_HUMAN	yq08h06.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:196379 5*
2066	20119	33533	0.83		2.0E-58 A1291407.1	EST_HUMAN	qm84c01.x1 NCI_CGAP_Lu5 Homo saptens cDNA clone IMAGE:1895424.3'
7307	20389		2.79		2.0E-58 AF134838.1	NT	Homo sapiens endocytic receptor Endo180 (ENDO180) mRNA, complete cds
1307	20389		2.79			TN	Home sapiens endocytic receptor Endo180 (ENDO180) mRNA, complete cds
10979	24058		,			EST_HUMAN	601800812F1 NIH_MGC_17 Homo saplens cDNA done IMAGE;4131891 5
11207	24276		-		1.1	EST_HUMAN	hm25f08.x1 NC_CGAP_Thy4 Homo sapiens cDNA clone IMAGE:3013671 3'
740	13922	26962	1.06		1.0E-58 M65134.1	Z	Human complement component C5 mRNA, 3'end
1093	14258	27314	1.33	1.0E-58	6274649 NT	Ę	Homo sapiens NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, B22) (NDUFB9), mRNA
1358	14513				1.0E-58 AW957182.1	EST_HUMAN	EST369252 MAGE resequences, MAGD Homo sapiens cDNA
1358	14513	<u> </u>	1.12		1.0E-58 AW957182.1	EST_HUMAN	EST369252 MAGE resequences, MAGD Hamo sapiens cDNA
1427	14581	27654			1.0E-58 AJ238093.1	NT	Homo sapiens partial AF-4 gene, exons 2 to 7 and Alu repeat elements
1697		27935			1.0E-58 BE466132.1	EST HUMAN	hy10f08.x1 NCL_CGAP_GC6 Homo sapiens cDNA clone IMAGE:3196935 31
2719	ı				AF21751	Z	Homo sapiens uncharacterized bone marrow protein BM038 mRNA, complete ods
2863		29087				Z	Homo saplens sterol regulatory element binding transcription factor 2 (SREBF2) mRNA
2892	15206		1.01	1.0E-58	5174444 NT	LZ.	Homo sapiens G protein-coupled receptor 69A (GPR69A) mRNA

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. Top Hit Descriptor	Homo sapiens phosphatidyiinostiol 4-phosphate 5-kinase, type II, beta (PIP6Κ2B) πRNA, and translated products	Hamo sapiens ryanodine receptor 3 (RYR3) mRNA	Homo saplens ryanodine receptor 3 (RYR3) mRNA	Homo sapiens catenin (cadhern-associated protein), delta 2 (neural plakophilin-related arm-repeat protein) (CTNND2); mRNA	Homo sapiens 17-beta-hydroxystercid dehydrogenase IV (HSD17B4) gene, promoter region and exon 1	EST377582 MAGE resequences, MAGI Hamo sapiens cDNA	Homo sapiens KIAA0680 gene product (KIAA0680), mRNA	Homo sapiens plasminogen activator, tissue (PLATa) ாRNA	Homo sapiens plasminogen activator, tissue (PLATa) mRNA	Homo sapiens mRNA for KIAA1112 protein, partial cds	Homo sapiens mRNA for KIAA1112 protein, partial cds	h02017t Testis 1 Hamo saplens cDNA clone h02017 5' end	h02017t Testis 1 Homo sapiens ¢DNA clone h02017 5' end	Homo sapisns A kinase (PRKA) anchor protein 1 (AKAP1), mRNA	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA	Homo sapiens zona pellucida glycoprotein 2 (sperm recaptor) (ZP2) mRNA	Homo sapiens chromosome 21 segment HS21C084	Homo sapiens protein tyrosine phosphatase, receptor type, T (PTPRT), mRNA	Human prohormone converting enzyme (NEC2) gene, exon 2	Homo saplens hypothetical protein PR01741 (PR01741), mRNA	Homo sapiens nuclear receptor co-repressor 1 (NCOR1), mRNA	oto-oncogene	oto-oncogene	909	ene	Homo sapiens gamma-glutamyltransferase-like ectivity 1 (GGTLA1), mRNA	zi98d05.s1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:730377 3'	Homo saplens Interferon-induced protein p78 (MX1) gene, complete cds	EST180633 Jurkat T-cells V Homo saptens cDNA 5' end	RC0-NT0036-100700-032-e07 NT0036 Homa sapiens cDNA	Th97h04x1 NIH_MGC_17 Home sapiens cDNA clone IMAGE:2961654 5
	Homo sapiens phosphat products	Homo sapiens nyanodine	Homo saplens ryanodine	Homo sapiens catenin (c (CTNND2); mRNA	Homo sapiens 17-beta-h	EST377582 MAGE rese	Homo sapiens KIAA068	Homo sapiens plasmino	Homo sapiens plasmino	Homo sapiens mRNA fo	Homo sapiens mRNA fo	h02017t Testis 1 Homo	h02017t Testis 1 Homo	Homo saplens A Kinase	Homo sapiens A kinase	Homo sapiens zona pell	Homo sapiens chromos	Homo saplens protein ty	Human prohormone con	Homo sapiens hypotheti	Homo sapiens nuclear r	Human mRNA for dbl proto-oncogene	Human mRNA for dbl proto-oncogene	H. sapiens CKII-alpha gene	H. sapiens OKII-alpha gene	Homo sapiens gamma-	zi98d05.s1 Soares_test	Homo saplens interferor	EST180633 Jurkat T-ce	RC0-NT0036-100700-0	THOTHOLX NIH MGC
Top Hit Database Source	TN	ΝΤ	TN	NT	LΝ	EST_HUMAN	LN	TN	LN	LN	LN	EST_HUMAN	EST_HUMAN	NT	NT	IN	IN	NT	LN	LN	NT	TN	ΙN	Ę	LN.	۲	EST HUMAN	NT	EST HUMAN	EST_HUMAN	EST HUMAN
Top Hit Acession Na	4505818 NT	450675B NT	4506758 NT	11034810 NT	4.0E-59 AF057720.1	3.0E-59 AW965524.1	7662247 NT	4505850 NT	4505860 NT	3.0E-59 AB029035.1	3.0E-59 AB028035.1	3.0E-59 T18865.1	3.0E-59 T18865.1	4502014 NT	4502014 NT	4508044 NT	3.0E-59 AL163284.2	7427522 NT	3.0E-59 M95961.1	8924074 NT	5454137 NT	3.0E-59 X12556.1	3.0E-59 X12556.1	3.0E-59 X70251.1	3.0E-59 X70261.1	11417868 NT	2.0E-59 AA470073.1	2.0E-59 AF135187.1	2.0E-59 AA309774.1	2.0E-59 BF365554.1	2.0E-59 AW410698.1
Most Similar (Top) Hit BLAST E Value	4.0E-59	4.0E-59	4.0E-59	4.0E-59	4.0E-59	3.0E-59 /	3.0E-59	3.0E-59	3.0E-59	3.0E-59 /	3.0E-59 /	3.0E-59	3.0E-59	3.0E-59	3.0E-59	3.0E-59	3.0E-59	3.0E-59	3.0E-59	3.05-59	3.0E-59	3.0E-59	3.0E-59	3.0E-59	3.0E-59	3.0E-59	2.0E-59	2.0E-59	2.0E-59	2.0E-59	2.0E-59
Expression Signal	0.61	1.14	1.14	0.95	3.99	6.74	3.88	10.81	10.81	8.54	8.54	79.0	19.0	4.27	4.27	1.19	2.75	2.12	1.22	2.4	1.85	1.11	1.11	1.04	1.04	11.11	0.59	0.59	4.84	1.34	2.19
ORF SEO ID NO:	27490	31032		32130			26481	27992	27993						L	30086	30929	31071		32877	34064	34718	34719	35880				33494			37780
Exon SEQ ID NO:	14423	18042	ì	18848	25996	13248	13455	14897	14897	15333		16280	16280	16374	16374	17089	17942	18094	18284	19520	20589	21198	<b>[</b>	23285	L	L	20259	20081	1	i i	24144
Probe SEQ ID NO:	1266	4912	4912	5654	12498	9	234	1748	1748	2198	2198	3104	3104	3199	3199	3930	4808	4965	5162	6350	7516	8116	8118	10250	10250	12635	6946	7216	9837	10745	11069

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Table 4
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					>		
Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
11069	24144	37781	2.19		2.0E-59 AW410698.1	EST HUMAN	fh07h04.x1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:2961654 5'
12373	25288	32118	4.28		2.0E-59 Al631809.1	EST HUMAN	wa36c12.x1 NCI_CGAP_Kid11 Homo saplens cDNA clone IMAGE:2300182 3' similar to TR:Q86542 Q86542 RTVIH PROTEIN. ;contains LTR7.b1 LTR7 repetitive element ;
12983	1					Ŋ	Homo expiens alpha-tubulin mRNA, complete cds
167	13392		5.65		1.0E-59 BE296411.1	EST_HUMAN	801179757F1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE:3531927 5'
1569	14722	27803	2. 2.		1.0E-69 T92522.1	EST_HUMAN	ye25c09.r1 Stratăgene lung (#937210) Homo sapiens cDNA clone IMAGE:118768 6' similar to SP:S21348 S21348 HYPOTHETICAL PROTEIN 4 - ;
2683	[				1.0E-59 AA748468.1	EST_HUMAN	0456H11.61 NCI_CGAP_GCB1 Homo saplens cDNA clone IMAGE:1309029 3' similar to TR:013637 013637 MER37 TRANSPOSABLE ELEMENT, COMPLETE CONSENSUS SEQUENCE.;
7735	20796	34285	1.14		1.0E-59 AJ130894.1	LΝ	Homo eapiens mRNA for transcription factor
7895	1	34454	1.3		1.0E-59 BE256814.1	EST HUMAN	601111951F1 NIH_MGC_16 Homo sepiens cDNA clone IMAGE:3352692 5
7895		34455	1.8		1.0E-59 BE256814.1	EST_HUMAN	601111951F1 NIH_MGC_16 Homo sepiens cDNA clone IMAGE:3352692 5
9685	22727	36296	0.58	1.0E-69	11419630 NT	LN	Homo sapiens zinc finger protein 275 (ZNF275), mRNA
9804		36421	0.58		11428849 NT	LN	Homo sapiens 3-hydroxysobutyryl-Coenzyme A hydrolase (HIBCH), mRNA
9804	1			1.0E-59	11428849 NT	LN	Hono sapiens 3-hydroxylsobutyryl-Coenzyme A hydrolase (HIBCH), mRNA
11094	20798		10.98		1.0E-59 AJ130894.1	TN	Homo sapiens mRNA for transcription factor
783	13963	27013	1.45		8.0E-60 AW977845.1	EST_HUMAN	EST389849 MAGE resequences, MAGO Homo sapiens cDNA
1499	14662		3.21	8.0E-60	4759159 NT	NT	Homo sapiens small nuclear ribonucieoprotein D3 polypeptide (18kD) (SNRPD3) mRNA
2241	15374		4.78	9.0E-60	5174656 NT	LN	Homo sapiens differentiation-related gene 1 (nickel-specific induction protein) (RTP) mRNA
2241	15374		4.76	8.0E-60	5174656 NT	LN	Homo sapiens differentiation-related gene 1 (nickel-specific induction protein) (RTP) mRNA
6103	19283	32616	1.18		8.0E-60 AB029004.1	Ł	Homo sapiens mRNA for KIAA1081 protein, partial cds
6833	19792				8.0E-60 S83182.1	FZ	hyaluronan-binding protein=hepatocyte growth factor activator homolog [human, plasma, mRNA, 2408 nt]
7874	١.		0.89	8.0E-60	11420841 NT	FN	Homo sapiens phosphate cytidylytransferase 1, choline, beta Isoform (PCYT1B), mRNA
8152	_	34755			X17033	NT	Human mRNA for integrin alpha-2 subunit
9139	L	35762	2.93	8.0E-60	11428949 NT	NT	Homo capiens S-antigen; retina and plineal gland (arrestin) (SAG), mRNA
9871	22633	L		8.0E-60	11417118 NT	TN	Homo sepiens KIAAD433 protein (KIAA0433), mRNA
9671	22633			8.0E-60	11417118 NT	NT	Homo sapiens KIAA0433 protein (KIAA0433), mRNA
10799	23832		0.62	8.0E-60	5453997 NT	NT	Homo sapiens RAN binding protein 7 (RANBP7), mRNA
11071	24146	37783	4.17	8.0E-60	8.0E-60 AL163204.2	NT	Homo sapiens chromosome 21 segment HS21C004
11071	24146	37784	4.17	8.05-60	8.0E-60 AL163204.2	LN	Homo saplens chromosome 21 segment HS21C004
773				7.0E-60	7.0E-60 AF055066.1	NT	Homo sepiens MHC class 1 region
774			25.11	7.0E-60	AF05506	NT	Homo saplens MHC class 1 region
838	ı		1.47	7.0E-60	4504634 NT	NT	Homo sapiens interleukin 10 receptor, beta (IL10RB), mRNA

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Top Hit Descriptor	Homo sepiens cullin 4A (OULAA) mRNA, complete cds	Homo saptems mRNA for KIAA0581 protein, partial cds	Homo saplens omithine decarboxylase 1 (ODC1) mRNA	Homo saplens ALR-like protein mRNA, partial cds	yr1204.r1 Soares fetal liver spieen 1NFLS Homo sepiens cDNA clone IMAGE:205087 5' similar to contains	LTR5 repetitive element;	yr12f04.r1 Scares fetal liver spleen 1NFLS Home saplens cDNA clone IMAGE:205087 5' similar to contains	CAN DEPOSITIVE BIRTHOLD CO. LONG. CO. DAIA CA. CA. CA. CA. CA. CA. CA. CA. CA. CA	COLODO/ SIK! MIN_MIGC OF HOMO SUPJEMS CONFINACE:3860008 3	yq78h09.r1 Scares fetal liver spleen 1NFLS Homo septens cDNA clone IMAGE:201963 5' similar to contains OFR repetitive element ;	wf52c07.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2359212.3	wf52c07.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2359212.31	UI-HF-BN0-akt-g-07-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3078348 51	UI-HF-BN0-aktg-07-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3078348 5	EST11498 Uterus Homo sepiens oDNA 5' end similar to similar to retrovirus-related pol	hratf05.x1 NCL_CGAP_Kid11 Homo saptens cDNA clone IMAGE:3134913 3' similar to SW:RHOP_MOUSE Q61086 GTP-RHO BINDING PROTEIN 1;	Homo sapiens chromosome 21 segment HS21C078	601336446F1 NIH_MGC_44 Homo saplens cONA clone IMAGE;3690395 5	601336446F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3690395 5'	Homo saplens prohibitin (PHB) mRNA	Homo sapiens Xq pseudoautosomal region; segment 1/2	QV4-NN1149-250900-423-f01 NN1149 Homo sapiens cDNA	RC3-LT0023-200100-012-a01 LT0023 Homo sapiens cDNA	ol60h11.y5 NCI_CGAP_Kid3 Home sapiens cDNA clone IMAGE:1534053 5' similar to SW:UDP_MOUSE -   December 10 pm of the period of th	FORCE ONLINE FILOSTION LASE, Home contemp seeling dobt decorates (modified address) (DDODE) mDNA	Torro septens promine designing established (Promine addasse) (Promine addasse)	Homo sapiens proline dehydrogenase (proline oxidase) (PRODH) mRNA	ox68d09.X1 Sogres_NHHMPu_S1 Homo seplens oDNA clone IMAGE:1660337 3' similar to SW:FORM_MOUSE Q05860 FORMIN ;	Homo saplens proline dehydrogenase (proline oxidase) (PRODH) mRNA	ab07h04.r1 Strategene lung (#537210) Homo saplens cDNA done IMAGE:840161 5' similar to contains LTR10.r1 LTR10 repetitive element ;
Top Hit Database Source	IN	LN I	N	NT		EST_HUMAN	MALAULT FOR	TO THE POST	IL TOWAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	N	EST_HUMAN	EST HUMAN		LN	EST_HUMAN	EST HUMAN	ERT LINAN	FIS DOMPES	N	NT	EST_HUMAN	NT.	EST_HUMAN
Top Hit Acession No.	7.0E-60 AF077188.1	7.0E-60 AB011153.1	4505488 NT	7.0E-60 AF264750.1		7.0E-60 H58041.1	4 7 7 0 0 0	7.0E-60 ID56461.1	6.UE-60 BE964974.2	6.0E-60 H52456.1	5.0E-60 AI807917.1	5.0E-60 A (807917.1	4.0E-60 AW 503208.1	4.0E-60 AW 503208.1	4.0E-60 AA299037.1	4.0E-60 BF196068.1	4.0E-60 AL163278.2	3.0E-60 BE562611.1	3.0E-60 BE562611.1	6031190 NT	3.0E-60 AJ271735.1	3.0E-60 BF365143.1	3.0E-60 AW836196.1	2 OF SO A1702811 1	71192014.1 5474644 NIT	91 / 4044	5174644 NT	3.0E-60 A1040235.1	5174644 NT	3.0E-60 AA485286.1
Most Similar (Top) Hit BLAST E Value	7.0E-60	7.0E-60		7.0E-80		7.0E-60	0	2010	0.05-00	6.0E-60	5.0E-60	5.0E-60	4.0E-60	4.0E-60			4.0E-60	3.05-60	3.0E-60	3.0E-60	3.0E-60	3.0E-60	3.0E-60	08 10 6	3.05-90	3.05-90	3.0E-60		3.0E-60	
Expression Signal	1.82	96.0	2.4	0.91		4.21	4	01.1	1.10	8.04	1.06	1.06	1.83	1.83	1.45	0.78	0.65	4,98	4.98	2.81	2.75	0.69	2.21	101	103	4.08	4.59	0.6	3.84	1.55
ORF SEQ ID NO:		29068				36235		1	5000		26348	26349	28574	28575		34055			28162			31709	32251	24549			35216	35405	35560	
Exen SEQ ID NO:	15332	15969	17438	17883	L	22662		2000	_	21712	}	1		15440	16213	20582		L	15050		Ш	18693	18949	18520	1		21678	21862	22019	26058
Probe SEQ ID NO:	2197	2845	4295	4698		9607	979	200	2540	8632	86	98	2308	2308	3037	7508	9326	1907	1907	1918	4579	5494	5757	7003	2030	ACO O	8597	8783	8940	13053

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Probe SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
8908	21987	35526	0.53	9.0E-61	4885546 NT	LN.	Homo septiens PHD finger protein 2 (PHF2) mRNA
8908	21987	35527	0.63	9.0E-61	4885546 NT	FN	Нотто sepiens PHD finger protein 2 (PHF2) mRNA
2735	15852	28965	1.41	8.0E-61	8.0E-61 AW006478.1	EST_HUMAN	wt05b10,x1 NCI_CGAP_Cc3 Homo sapiens cDNA clone IMAGE:2506565 3'
2735	15852	28966	1.41	8.0E-61		EST HUMAN	wt05b10.x1 NCI_CGAP_Cc3 Homo sapiens cDNA clone IMAGE:2506555 3'
3016	16192		2.63	8.0E-61	8.0E-61 X57147.1	N-	Human endogenous retrovirus pHE.1 (ERV9)
8079	21161	34679	1.03	8.0E-61	8.0E-61 AA583968.1	8.1 EST_HUMAN	nn59g06.s1 NCI_CGAP_Lar1 Homo saplens cDNA clone IMAGE:1088218 3'
130	13357	26389	0.79	7.0E-61		LN	Homo sapiens PXR2b protein (PXR2b), mRNA
130	13357	26390	0.79	7.0E-61	LN 029022	Į.	Homo sapiens PXR2b protein (PXR2b), mRNA
276	13494	26524	3.06	6.0E-61		EST_HUMAN	601300938F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3635480 5
834	14012	27068	6.48	6.0E-61	6.0E-61 BE409310.1	EST_HUMAN	601300938F1 NIH_MGC_21 Hamo saplens cDNA clone IMAGE:3635480 5'
1352	14507	27579	12.72	6.0E-61	6.0E-61 AF119860.1	NT	Homo sapiens PRO2014 mRNA, complete cds
1659	14811	27896	1.04	6.0E-61	6.0E-61 BE257400.1	EST_HUMAN	601109238F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3350145 5
1679	14831	27916	2.91	6.0E-61	6.0E-61 AA596033.1	EST_HUMAN	nn66h09.s1 NCI_CGAP_Lar1 Homo sapiens cDNA clone IMAGE:1088897 3'
3381	16553	29567	8.16	6.0E-81	6.0E-81 AU130689.1	EST_HUMAN	AU130689 NT2RP3 Homo saplens CDNA clone NT2RP3001263 5
6155	19331	32877	2.96	6.0E-61		N⊤	ig-beta/829≕CD79b (alternatively spliced) [human, B cells, mRNA Partial, 375 nt]
7497	20572	34045	1.49	6.0E-51	6.0E-61 U24498.1	NT	Human autosomal dominant polycystic kidney disease protein 1 (PKD1) gene
7793	20851	34343	1.85	6.0E-61	6.0E-61 AF035737.1	LNT	Homo sapiens general transcription factor 2-I (GTF2I) mRNA, complete cds
2564	14012	27068	1.66	6.0E-61	6.0E-61 BE409310.1	EST_HUMAN	801300938F1 NIH_MGC_21 Homo septens cDNA clone IMAGE:3635480 5'
13157	26752	31925	1.42	6.0E-61	U07000.1	NT	Human breakpoint diuster region (BCR) gene, complete cds
226	13448	26476	2.54	5.0E-81		NT	Homo saplens hypothetical protein FLJ11316 (FLJ11316), mRNA
226	13448	26477	2.54	5.0E-61	8922990 NT	NT	Homo sapiens hypothetical protein FLJ11316 (FLJ11316), mRNA
370	13579	26612	0.7	6.0E-61		NT	Homo sepiens T-cell lymphoma Invasion and metastasis 1 (TIAM1) mRNA
1713	14864	27953	2.84	5.0E-61	4506008	L	Homo sapiens protein phosphatase 1, regulatory subunit 10 (PPP1R10) mRNA
3101	16277	29291	2.19	5.0E-61	5.0E-81 AL163279.2	NT	Homo sapiens chromosome 21 segment HS21C079
3268	16442	29462	1.82	5.0E-61	4502166 NT	LN	Homo sepiens amyloid beta (A4) precursor protein (protease nextr-II, Alzheimer disease) (APP), mRNA
4090	17245		222	5.0E-61	5.0E-61 AJZZ9041.1	LN	Homo saplens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3
5118	13579	26612	0.75	5.0E-61	TN 0057054	ΙN	Homo saptens T-cell tymphoma invasion and metastasis 1 (TIAM1) mRNA
1798	14947	28039	1,94	4.0E-61	AU140307.1	EST_HUMAN	AU140307 PLACE2 Homo seplens cDNA clone PLACE2000302 5'
5936	19122		0.71	4.0E-61	31637	LΝ	Hamo sapiens DKFZP568B023 protein (DKFZP566B023), mRNA
12349	25252		9.47	4.0E-61		EST HUMAN	AV731140 HTF Homo sapiens cDNA clone HTFARB01 5'
8616	21696		7.0	3.0E-61	AF150190.1	EST_HUMAN	AF150190 Human mRNA from cd34+ stem cells Homo sapiens cDNA done CBDAGB04
511	13705	26733	1.8	2.0E-61	8922829		Homo sapiens hypothetical protein FLJ11026 (FLJ11026), mRNA
1239	14398		5.33	2.0E-61	2.0E-61 BE168410.1	EST_HUMAN	QV3-HT0513-060400-147-401 HT0513 Homo sapiens cDNA

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Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	QV3-HT0513-060400-147-d01 HT0513 Homo sapiens cDNA	w53d11.s1 Soares felal liver spleen 1NFLS Homo sepiens oDNA clone IMAGE:246493 3' similar to gb:L25444 60S RIBOSOMAL PROTEIN L35A (HUMAN);	yyo3f11.r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE.270189 6'	Homo sapiens ATPase, H+ transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD) (ATP6N1A), mRNA	AV694317 GKC Homo seplens cDNA clone GKCELG06 5	Homo sapiens mRNA for KIAA0536 protein, partial cds.	UI-HF-BN0-akd-f-12-0-UI.r1 NIH_MGC_50 Homo saplens cDNA clone IMAGE:3076774 6	Homo sapiens polymerase (RNA) III (DNA directed) (39kD) (RPC39), mRNA	Homo sapiens ribosomal protein L44 (RPL44), mRNA	QV0-BN0042-170300-162-f10 BN0042 Homo sapiens cDNA	Homo saplens chromosome 21 segment HS21C003	Homo sapiens origin recognition complex, subunit 2 (yeast homolog)-like (ORC2L) mRNA	Homo sapiens chromosome 21 segment HS21C003	Human polymorphic trinuclectide repeat in X-linked retnits plgmentosa (RP3) gene region	Homo saplens zona pellucida glycoprotain 3A (sperm receptor) (ZP3A), mRNA	xn11b09.y1 NCI_CGAP_Li5 Homo sapiens cDNA clone IMAGE:2683369 5' similar to contains element	MONT repetitive element;	Homo capiene KIAAARAR can e product (KIAAABAR) mBNA	OV2-HT0577-140300-077-006 HT0577 Homp septiens CDNA	Human monoamine coddase A (MAOA) mRNA, complete cds	Homo saplens TRAF family member-associated NFKB activator (TANK) mRNA	Homo sapiens TRAF family member-associated NFKB activator (TANK) mRNA	UI-H-BW0-ajf-b-08-0-UI.s1 NCL_CGAP_Sub6 Homo sapiens cDNA clane IMAGE:2732871 3'	UI-H-BW0-ajt-b-08-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2732871 3'	Homo sapiens chromosome 21 segment HS21C010	H. sapiens carbonic anhydrase VII (CA VII) gene, exons 4,5,6, and 7, and complete cds	Homo saplens KIAA0783 gene product (KIAA0783), mRNA	Homo saplens survival of motor neuron 1, telomento (SIMN1), mRNA	Human P40 T-cell and mast cell growth factor (hP40) gene, complete cds	Homo saplens SC35-Interacting protein 1 (SRRP129), mRNA	Homo sepiens hypothetical protein FLJ20128 (FLJ20128), mRNA
Top Hit Database Source	EST HUMAN	EST_HUMAN	EST_HUMAN	Ę	EST HUMAN	-N	EST_HUMAN	LN-	LΝ	EST_HUMAN	ΝŢ	F	۲۸	FZ	<u>ا</u>	1400 till 1 200	FOT HOMAN	1000	EST HUMAN	Z-	Ξ	E	EST_HUMAN	EST HUMAN	N-	Ę	NT	ΝŢ	TN	ΤN	Ę
Top Hit Acession No.	2.0E-61 BE168410.1	2.0E-61 N53039.1	2.0E-81 N39397.1	11428166 NT	2.0E-61 AV694317.1	2.0E-61 AB011108.1	2.0E-61 AW 500256.1	11421778 NT	11419729 NT	2.0E-61 AW995326.1	1.0E-61 AL163203.2	5453829 NT	1.0E-61 AL163203.2	1.0E-61 U32657.1	5005983 NT	A MOSSOCIAL	1.0E-61 AW 827281.1	7882240 NT	1.0E-61 BE174455 1		4759249 NT	4759249 NT	1.0E-61 AW298181.1	1.0E-61 AW298181.1	1.0E-61 AL163210.2	1.0E-61 M76423.1	7662303 NT	11416891 NT	1.0E-61 M30135.1	4759171	B923130 NT
Most Similar (Top) Hit BLAST E Value	2.0E-61	2.0E-61	2.0E-01	2.0E-61			2.0E-61	2.0E-61	2.0E-61	2.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.05-61	70 -0 7	1.05-61	1000	10F-61	1.0E-61	1.0E-81	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-81
Expression Signal	5.33	1.36	1.72	0.88	1.67	0.98	1.34	2.84	4	1,45	1.37	1.28	1.07	1.02	4.43	70 7	80.0	28.0	1.16	1.05	96.0	36'0	9.55	9.55	0.62	0.71	1.07	1.32	8.82	0.77	1.39
ORF SEQ ID NO:	27461	27938		33094	35839		36763	37101		31950		27026	27658		28160	10000	20002	2005	28989	30497	30880	30681	31088	31087	31175	31723	32301	32608	33510	33768	33883
Exon SEQ ID NO:	14398	14851	15824	19718	22295	22700	23164	23491	24195	25744	13644	13973	14584	14958	15049	100	15403	18830	16986	17517	17699	17699	18110	18110	18203	18703	18996	19189	20094	20324	20421
Probe SEO ID NO:	1239	1699	9012	6556	9217	9762	10126	10456	11123	13144	448	794	1430	1809	1906	02.00	0/77	2463	3826	4374	4561	4561	4981	4981	5075	9209	5806	6004	7041	7240	7341

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Single Exon Probes Expressed in Placenta

ORF SEQ Expression (Top) Hit Top Hit Acession Database ID NO: Signal BLASTE No. Source	33884 1.39 1.0E-61 8923130 NT	34935 2.69 1.0E-61 11034840 NT	Homo sepiens mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugating enz/mo E2D 3 35123 3.34 1.0E-01/AF224669.1 NT (UBE2D3) genes, complete cds	2.78 1.0E-61 AW999728.1 EST_HUMAN	36193 0.58 1.0E-61 11416280 NT	36861 4.8 1.0E-61 11428892 NT	37585 5.61 1.0E-61 11425578 NT	37880 1.72 1.0E-61 AB044550.1 NT	38033 1,44 1.0E-61/AB007830,1 NT	21.57 1.0E-61 AB011399.1 NT	31677 4 1.0E-61 11430460 NT	31678 4 1.0E-81 11430460 NT	31959 10,94 1.0E-61 11418127 NT	37206 1.08 9.0E-62 BE064386.1 EST_HUMAN	30798 0.85 8.0E-82,AA830420.1 EST_HUMAN	27351 1.12 7.0E-82 AV714334.1 EST_HUMAN	29775 0.84 7.0E-62 P17480 SWISSPROT	21 32544 0.97 7.0E-62 11427955]NT Homo saplens hypothetical protein (FLJ20261), mRNA	<u> </u>	339 1.55 6.0E-62 009410.1 NT Human zinc finger protein ZNF131 mRNA, partial cds	5.37 8.0E-62 11418255 NT	34351 3.47 6.0E-62 AI762801.1 EST_HUMAN	34352 3.47 6.0E-62 AI762801.1 EST_HUMAN	0.86 6.0E-62 AW501124.1 EST_HUMAN	35063 1.52 6.0E-62 11431139 NT	36189 3.67 6.0E-62 AW814393.1 EST_HUMAN		28729 5.16 5.0E-62 AJ271735.1 NT	28730
				_													}	L	<u> </u>			}_							
Exon ID SEC ID NO:	7341 20421	26 21408	1	9482 22539	ı	L			25 24388	l	ŀ		ı	L	4673 17808	l l	3595 16759	6038 19221	32 24712	3063 16239	1	7803 20859	03 20859	l_	8452 21533		13624	2478 15605	1 1
Probe SEQ ID NO:	R	83	88	98	8	192	18	11178	113	122	5	127	13026	10565	\$	E	35	18	11632	l <sub>8</sub>	8	٣	18	8277	ğ	ြိ		2	2

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Top Hit Descriptor	Hamo sapiens ryanodine receptor 3 (RYR3) mRNA	zw78e09.s1 Soares_testis_NHT Homo sepiens cDNA clone IMAGE;782344.3' similar to SW.1NRDC_RAT P47245 NARDILYSIN;	Homo sapiens ryanodine receptor 3 (RYR3) mRNA	fh07g09.x1 NIH_MGC_17 Home sapiens cDNA clone IMAGE:2961616 5'	Homo sapiens muscle specific gene (M9), mRNA	Homo sapiens muscle specific gene (M9), mRNA	ar71d03.yf Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2781701 6' similar to gb:M37104 ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);	au7/1003.y/ Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2781701 5' similar to gb:M37104 ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);	au71d03.y1 Schneider fetal brain 00004 Homo eaplene cDNA clone IMAGE:2781701 5' similar to gb:M37104 ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);	au71403.y1 Schneider fetal brein 00004 Homo septiens cDNA clone IMAGE:2781701 5' similer to gb:M37104 ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);	wf12b08.x1 Soares_NFL_T_GBC_S1 Home septiens cDNA clone IMAGE:2350359 3' similar to gb:X57138_mat HISTONE H28.2 (HUMAN);	w12b08x1 Soares_NFL_T_GBC_S1 Home sapiens cDNA clone IMAGE:2350359 3' similar to gb:X57138_mat HISTONE H2B.2 (HUMAN);	Homo sapiens keratin 18 (KRT18) mRNA	Homo sapiens solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 (SLC13A2) mRNA	Homo sapiens ubiquitin specific protease 9, X chromosome (Drosophila fat facets related) (USPBX), mRNA	Homo sapiens phosphoribosy/ pyrophosphate synthetase 2 (PRPS2), mRNA	Homo sapiens eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD) (EIF2B2), mRNA	Homo sapiens eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD) (EIF2B2), mRNA	Homo sapiens 26S proteasome associated pad1 homolog (POH1), mRNA	Homo sapiens mRNA for KIAA1263 protein, partial ods	H.sapiens flow-sorted chromosome 6 Hindll! fragment, SC6pA16D3	H.sapiens flow-sorted chromosome 8 Hindlil fragment, SC6pA16D3	Ithyroid-stimulating hormone alpha subunit [human, Genomic, 268 nt, segment 3 of 4]	Homo saplens putative nuclear protein (HRIHFB2122), mRNA	Homo sapiens non-histone chromosome protein 2 (S. cerevisiae)-like 1 (NHP2L1), mRNA
Top Hit Database Source	LN	EST HUMAN	LZ LZ	EST HUMAN	FZ	LN LN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	ĻΝ	Ę	Ę	FN	TN	LN	LY.	LN	NT	TN	LN	L L	뒫
Top Hit Acesslon No.	4506758 NT	AA431093.1	5.0E-62 4506758 NT	5.0E-62 AW410687.1	11425574 NT	11425574 NT	4.0E-62 AW161479.1	4.0E-62 AW 161479.1	4.0E-62 AW161479.1	4.0E-62 AW 161479.1	4.0E-62 AI827900.1	4.0E-62 AI827900.1	4657887 NT	4506978 NT	11420654 NT	11421041 NT	7657057 NT	7657057 NT	11429973 NT	4.0E-62 AB033089.1	4.0E-62 Z78766.1	4.0E-62 Z78766.1	S70584.1	11418086 NT	11418192 NT
Most Similar (Top) Hit BLAST E Value	5.0E-62	5.0E-62	5.0E-62	5.0E-62	5.0E-62	5.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62 S70584.1	4.0E-62	4.0E-62
Expression Signal	2.55	1.75	0.74	12.91	2.38	2.38	2.17	2.17	1.32	1.32	0.1	1.9	9.09	1.71	. 2.81	1.75	221	2.21	1.12	6.42	2.62	2.62	63.7	1.18	1.65
ORF SEQ ID NO:	29683		L	L		l								32553	32960										
Exon SEQ (D NO:	16673		L	Ł.	L	L	l	<u>L</u>	L_				1	19229	ĺ	20404	١.		ı		L	L		l	
Probe SEQ ID NO:	3506	4447	8746	9717	11543	11543	. 88	863	864	864	2529	2529	3486	6046	6426	7322	7812	7812	8364	9047	11263	11263	11500	12269	12497

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Top Hit Descriptor	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA	Homo sepiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens calcineurin binding protein 1 (KJAA0330), mRNA	Homo sapiens low density lipopratein-related protein 2 (LRP2), mRNA	Homo saplens neurofibromin 2 (bilateral acoustic neuroma) (NF2) mRNA	Homo sapiens mRNA for KIAA1476 protein, partial cds	Homo saplens mRNA for KIAA1476 protein, partial cds	Human cyclophillin-related processed pseudogene	we33f04.x1 NCI_CGAP_Kid11 Homo saplens cDNA clone IMAGE:2299903 3' similar to contains THR,12 THR repetitive element ;	Homo sapiens chromosome 21 segment HS21 C084	RC0-BN0284-300500-031-e05 BN0284 Homo sapiens cDNA	RC0-BN0284-300500-031-e05 BN0284 Homo saplens cDNA	Homo sapiens mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3	UBE2D3) genes, complete cds	QV4-BT0257-081199-017-e03 BT0257 Homo saplens cDNA	Homo sapiens Intersectin 2 (SH3D1B) mRNA, complete cds	Homo sapiens ADP/ATP carrier protein (ANT-2) gene, complete cds	ef70e11.rl Soares_NhHMPu_S1 Homo saplens cDNA clone IMAGE:1047404 5 similar to WP:K01H12.1 CFDA453	DKFZ0566F104 r1 566 (synonym; hRd2) Homo sapiens cDNA clone DKFZp566F104 5	Homo sapiens hypothetical protein FLJ20212 (FLJ20212), mRNA	Homo sapiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal	protein L18a (RPL18a), Ca2+/Celmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR),	CDM protein (CDM), adrenoleukodystrophy protein >	ab05c02.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:839906 3'	2989110.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:409771.31	zg89f10.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone (MAGE:409771 3'	zs83e07.rf NCL_CGAP_GCB1 Homo saplens cDNA clone IMAGE:705060 5'	Homo sapiens KIAA0763 gene product (KIAA0763), mRNA	Homo sepiens KIAA0763 gene product (KIAA0763), mRNA	H. sapiens lysosomal acid phosphatase gene (EC 3.1.3.2) Exon 9	H.sapiens lysosomal acid phosphatase gene (EC 3.1.3.2) Exon 9	aa33d08.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:815055 3*
Top Hit Database Source							L	NT	EST_HUMAN	Г	$\overline{}$	EST_HUMAN			EST_HUMAN		Ę	EST HIMM	Т	8923201 NT			_				EST HUMAN		NT	NT		EST HUMAN
Top Hit Acession No.	11418322 NT	11417862 NT	11417862 NT	11430460 NT	4557794 NT		9.1		3.0E-62 A(632733.1	2.0E-62 AL163284.2	2.0E-62 BF329911.1	2.0E-62 BF329911.1				).1		1 0E-62 44625207 1	1.0E-62 At 039044.1	8923201							1.0E-62 AA280050.1	7662289 NT	7662289 NT			1.0E-62 AA465170.1
Most Similar (Top) Hit BLAST E Value	4.0E-62	4.0E-62	4.0E-62	4.0E-62	3.0E-62	3.0E-62	3.0E-62	3.0E-62 X52858.	3.0E-62	2.0E-62	2.0E-62	2.0E-62		2.0E-62	2.0E-62	1.0E-62	1.0E-62 L78810.1	4 OE-82	1.0E-62/	1.0E-62		_	1.0E-62	1.0E-62	1.0E-62/	1.0E-62	1.0E-62	1.0E-62	1.0E-62	1.0E-62 X15533.1	1.0E-62 X15533.1	1.0E-62/
Expression Signal	1.66	6.86	6.86	2.16	69.0	1.13	1.13	4.19	3.74	2.71	5.59	5.59		3.71	8.83	1.14	18.41	1 84	122	1.84			2.02	1.07	2.69	269	0.54	1.66	1.65	1.92	1.92	3.03
ORF SEQ ID NO:	31955	31952	31953	31965	26338	29301	28302	29956	35351		35595					27294				30767				33820				35885				36263
Exon SEQ ID NO:	25657	25653	25653	25693	13312	16287	16287	16950	21816	1	Ι.	22053	ı			1	14728	14088	1	ł				20367							1	22695
Probe SEQ ID NO:	12946	13004	13004	13059	9/	3111	3111	3789	7878	1259	8974	8974		10376	11988	1069	1575	1842	2981	4648			6418	7284	7295	7295	8957	9258	9258	9302	9302	0757

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Profit         Exon         Note Signalis         Top HR (Accession of Language)         Top HR (Accession of Lang								
24727         38419         2.26         1.0E-62         Z78588.1         NT           25540         31982         3.16         1.0E-62         11418322         NT           25584         31982         3.16         1.0E-62         11418322         NT           13559         20587         2.27         9.0E-63         AW816406.1         EST HUMAN           15550         20587         2.77         9.0E-63         AR816405.1         NT           17304         30298         8.77         9.0E-63         AR81659.1         NT           17304         30298         8.77         9.0E-63         AR802348.2         NT           17304         30298         8.77         9.0E-63         AR85648         NT           20413         31822         1.44         9.0E-63         Y15056.1         NT           21602         35139         1.18         9.0E-63         Y15056.1         NT           21602         35139         1.3         9.0E-63         AF50734         NT           16574         28703         4.28         8.0E-63         AF50734         NT           16715         28727         4.28         8.0E-63         AF50734 <td< td=""><td>Probe SEQ ID NO:</td><td>Exon SEQ ID NO:</td><td>ORF SEQ ID NO:</td><td>Expression Signal</td><td>Most Similar (Top) Hit BLAST E Value</td><td>Top Hit Acession No.</td><td>Top Hit Database Source</td><td>Тор Hit Descriptor</td></td<>	Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Тор Hit Descriptor
25540         4.63         1.0E-62         11418322 NT           25684         31982         3.16         1.0E-62         11430460 NT           25684         31982         3.16         1.0E-62         11430460 NT           15559         2687         2.77         9.0E-63         AM816406.1         EST_HUMAN           15550         2.07         9.0E-63         AM816406.1         EST_HUMAN           17304         30287         8.77         9.0E-63         AB002348.2         NT           17304         30288         8.77         9.0E-63         AB002348.2         NT           18484         38824         4.69         9.0E-63         T1418185 NT         NT           20413         33875         3.78         9.0E-63         T142160 NT         NT           21062         34571         1.78         9.0E-63         T142185 NT         NT           24362         38003         1.38         9.0E-63         T142160 NT         NT           16574         28773         4.28         8.0E-63         AF168349.1         NT           16775         28608         6.0E-63         AF168349.1         NT           16775         28773         4.28 <td>11648</td> <td></td> <td>38419</td> <td>2.26</td> <td>1.0E-62</td> <td>Z78698.1</td> <td>님</td> <td>H.sapiens flow-sorted chromosome 6 Hindill fragment, SOSpA14D8</td>	11648		38419	2.26	1.0E-62	Z78698.1	님	H.sapiens flow-sorted chromosome 6 Hindill fragment, SOSpA14D8
25684         31962         3.16         1.0E-62         11430460         NT           13559         2657         2.27         9.0E-63         AW816405.1         EST HUMAN           15550         30287         2.17         9.0E-63         AR802348.2         NT           17304         30288         8.77         9.0E-63         AB002348.2         NT           17304         30288         8.77         9.0E-63         AB002348.2         NT           1877         31822         1.44         9.0E-63         Y15056.1         NT           1877         31822         1.4         9.0E-63         Y15056.1         NT           21059         34571         1.77         9.0E-63         Y15056.1         NT           21052         34571         1.77         9.0E-63         Y15056.1         NT           21052         34571         1.77         9.0E-63         H23140.1         NT           21052         34573         1.3         9.0E-63         H23140.1         NT           21052         38003         1.3         8.0E-63         A452734.1         NT           16716         28728         8.0E-63         A452734.1         NT	12809			4.83	1.0E-62	11418322	Ľ	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA
13559         26567         2.27         9.0E-63 AW816405.1         EST HUMAN           15550         2.17         9.0E-63 C18169.1         EST HUMAN           17304         30287         8.77         9.0E-63 AB002348.2         NT           17304         30288         8.77         9.0E-63 AB002348.2         NT           18484         38824         4.69         9.0E-63 AB002348.2         NT           18777         31822         1.44         9.0E-63 AB002348.2         NT           21058         34571         1.74         9.0E-63 AB002348.2         NT           21059         34571         1.77         9.0E-63 AF002348.1         NT           21050         34571         1.77         9.0E-63 AF0054.1         NT           21052         34571         1.77         9.0E-63 BF20340.1         NT           24362         28677         2.0E-63 BF20340.1         NT         NT           16716         28728         4.25         8.0E-63 BF20340.1         NT           16715         28708         4.25         8.0E-63 BF20340.1         NT           16716         28727         4.25         8.0E-63 BF20340.1         NT           14125         3.0506	13042			3.15		11430460	LN FN	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA
15550         2.17         9.0E-63         CI8159.1         EST_HUMAN           17304         30287         8.77         9.0E-63         AB002348.2         NT           187304         30288         8.77         9.0E-63         AB002348.2         NT           18737         31822         4.69         9.0E-63         Y15056.1         NT           20413         33875         3.78         9.0E-63         Y15056.1         NT           21059         34571         1.77         9.0E-63         Y15056.1         NT           21052         34573         1.18         9.0E-63         Y15056.1         NT           21052         34571         1.77         9.0E-63         P5203406.1         RT           24362         28677         2.88         8.0E-63         A55734.0         NT           16574         28728         4.26         8.0E-63         A551804.0         NT           16715         28727         4.26         8.0E-63         AF198349.1         NT           16716         28727         4.26         8.0E-63         AF198349.1         NT           14125         3.0506         4.0E-63         AF198349.1         NT	348			227	9.0E-63		EST HUMAN	QV4-ST0234-181199-037-105 ST0234 Homo septens cDNA
17304         30287         8.77         9.0E-63 AB002348.2         NT           17304         30288         8.77         9.0E-63 AB002348.2         NT           18824         4.69         9.0E-63 AB002348.2         NT           18777         31822         1.44         9.0E-63 AF005348.2         NT           20413         33875         3.78         9.0E-63 AF005348.2         NT           21059         34571         1.77         9.0E-63 AF88544 NT         NT           21062         35139         1.18         9.0E-63 BF203406.1         EST_HUMAN           16549         28677         3.05         8.0E-63 BF203406.1         RT           16574         28703         2.58         8.0E-63 BF203406.1         NT           16715         28728         4.26         8.0E-63 BF203406.1         NT           16716         28727         4.26         8.0E-63 BF20340.1         NT           16716         28727         4.26         8.0E-63 BF20340.1         NT           16716         28727         4.26         8.0E-63 BF20340.1         NT           14726         3.0506         4.36         8.0E-63 BF20340.1         NT           14126         3.0568	2421	15550		2.17	9.0E-63		EST_HUMAN	C18159 Human placenta cDNA (TFujīwara) Homo saplens cDNA clone GEN-558C10 5'
17304         30288         8.77         9.0E-63 AB002348.2         NT           18484         38824         4.69         9.0E-63 AT418165 NT           18777         31822         1.44         9.0E-63 AT5056 NT           20435         33875         3.78         1.77         8.0E-63 AT5056 NT           21652         35139         1.18         9.0E-63 AT60564 NT           21652         35139         1.18         9.0E-63 BT203406.1         BTTHUMAN           24362         38008         1.3         9.0E-63 BT203406.1         BTTHUMAN           16574         28727         4.28         8.0E-63 BT20340.1         NT           16574         28703         4.28         8.0E-63 AF198349.1         NT           16715         28727         4.28         8.0E-63 AF198349.1         NT           16716         28727         4.28         8.0E-63 AF198349.1         NT           14726         30506         4.38         8.0E-63 AF198349.1         NT           14727         30506         4.38         8.0E-63 AF198349.1         NT           14726         30506         4.38         8.0E-63 AF198349.1         NT           14726         30506         4.38         8.	4152	ш		8.77	9.0E-63		LN	Homo saplens mRNA for KIAA0350 protein, partial cds
18484         38924         4.69         9.0E-63         11418185 NT           18777         31822         1.44         9.0E-63         Y15056.1         NT           21043         33875         3.78         9.0E-63         11426965 NT         NT           21062         34371         1.78         9.0E-63         1142160 NT         NT           21602         35139         1.18         9.0E-63         1142160 NT         NT           24362         38008         1.3         9.0E-63         BF203406.1         EST_HUMAN           15549         28677         4.28         8.0E-63         A557734 NT         NT           16574         28723         4.28         8.0E-63         A557734 NT         NT           16574         28673         4.28         8.0E-63         A459734 NT         NT           16715         28727         4.28         8.0E-63         A420843.1         NT           16716         29727         4.28         8.0E-63         A420843.1         NT           14725         30505         4.36         8.0E-63         A420843.1         NT           14726         30506         0.62         6.0E-63         A420843.1	4152			8.77	9.0E-63		LΝ	Homo saplens mRNA for KIAA0350 protein, parital ods
1877         31822         1.44         9.0E-63         Y16066.1         NT           20413         33875         3.78         9.0E-63         11426968 NT           201059         34571         1.77         9.0E-63         11420160 NT           21052         34573         1.18         9.0E-63         11421160 NT           24362         38003         1.3         9.0E-63         11421160 NT           15549         28677         2.56         8.0E-63         4557734 NT           16574         28773         4.25         8.0E-63         4557734 NT           16715         28773         4.25         8.0E-63         AF198346.1         NT           16716         28773         4.25         8.0E-63         AF198346.1         NT           16716         28773         4.25         8.0E-63         AF198346.1         NT           17524         30506         4.36         8.0E-63         AF198346.1         NT           17524         30506         4.36         8.0E-63         AA20803.1         EST_HUMAN           18668         2.8584         0.68         4.0E-63         AA20803.1         RST_HUMAN           17069         30060         1.0	5358			4.69	9.0E-63	11418185	ΕZ	Homo saplens aconitase 2, mitochondrial (ACO2), mRNA
20413         33975         3.78         9.0E-63         11426968 NT           21056         34571         1.77         8.0E-63         4885544 NT           210602         36139         1.18         9.0E-63         4885544 NT           24362         3603         1.18         9.0E-63         4885544 NT           24362         38003         1.3         9.0E-63         BF203406.1         EST_HUMAN           15574         28703         2.58         8.0E-63         A4537734 NT           16715         28728         4.2B         8.0E-63         A459834.1         NT           16716         28727         4.2B         8.0E-63         AF198346.1         NT           16716         28728         4.2B         8.0E-63         AF198346.1         NT           16716         28729         4.2B         8.0E-63         AF198346.1         NT           14125         3.58         7.0E-63         AF198346.1         NT           14125         3.58         7.0E-63         AF193283.1         EST_HUMAN           18658         2.0E-63         AF193282.1         NT           17089         3.0E-63         AF193282.1         NT           16737	5582	1	31822	1.44	9.0E-63		LN	Homo saplans mRNA for PkB kinase
21056         34571         1.77         9.0E-63         4885544 NT           21062         35139         1.18         9.0E-63         11421160 NT           24362         38003         1.3         9.0E-63         FF2034061         EST HUMAN           16574         28703         2.58         8.0E-63         A657734 NT         NT           16574         28728         4.26         8.0E-63         AF198349.1         NT           17524         30505         4.36         8.0E-63         AF198349.1         NT           14125         30505         4.36         8.0E-63         AF198349.1         NT           14125         30505         4.36         8.0E-63         AF198349.1         NT           14126         30505         7.0E-63         AF193282         NT           14126         3.38         7.0E-63         AF193282         NT           17089         30067         1.0E         4.0E-63         AL163278.2         NT           17089         30067         1.0E         4.0E-63         AL163278.2         NT           17089         30067         1.0E         4.0E-63         AW134709.1         EST HUMAN           19737	7332			3.78	9.0E-63	11426985	FZ	Homo sapiens nucleoporin 88kD (NUP88), mRNA
24362         35139         1.18         9.0E-63         PT203406.1         EST_HUMAN           24362         38063         1.3         9.0E-63         BF203406.1         EST_HUMAN           16549         2867         2.68         8.0E-63         4557734         NT           16574         28728         4.26         8.0E-63         4557734         NT           16715         29728         4.26         8.0E-63         AF198349.1         NT           17524         3056         4.36         8.0E-63         AF198349.1         NT           14725         3056         4.36         8.0E-63         AF198349.1         NT           14726         3056         4.36         8.0E-63         AF198349.1         NT           14726         3056         7.0E-63         AR20830.1         EST_HUMAN           18658         20564         7.0E-63         AR20803.1         EST_HUMAN           17069         30067         1.06         4.0E-63         AR076407.1         NT           10737         33116         2.6         4.0E-63         AW134709.1         EST_HUMAN           24458         38121         2.02         4.0E-63         AW134709.1         EST_HU	8008			1.77	9.0E-63	4885544	FZ	Homo saplens pyruvate dehydrogenase kinase, Isoenzyme 3 (PDK3) เกRNA
24362         38003         1.3         9.0E-63         BF203406.1         EST_HUMAN           16549         28677         3.05         8.0E-63         4557734         NT           16574         28703         2.58         8.0E-63         4557734         NT           16715         28727         4.26         8.0E-63         AF198349.1         NT           1475         28728         4.26         8.0E-63         AF198349.1         NT           17624         30505         4.36         8.0E-63         AF198349.1         NT           14725         30505         4.36         8.0E-63         AF198349.1         NT           14726         30506         4.36         8.0E-63         AF182288.2         NT           14727         30506         0.62         6.0E-63         AF182288.2         NT           17089         30069         1.06         4.0E-63         AF18278.2         NT           17089         30066         1.06         4.0E-63         AF18278.2         NT           17089         38121         2.0         4.0E-63         AW1347097.1         EST HUMAN           24458         38121         2.02         4.0E-63         AW1347	8521	Н		1.18	9.0E-63	11421160	NT.	Homo saplens Ras association (RaiGDS/AF-6) domain family 2 (RASSF2), mRNA
15549         28677         3,05         8,0E-63         4557734         NT           15574         28703         2,58         8,0E-63         6031810         NT           16715         29727         4,26         8,0E-63         AF198349.1         NT           17524         30505         4,36         8,0E-63         AF198349.1         NT           17524         30505         4,36         8,0E-63         AF183268.2         NT           14125         30505         70,59         6,0E-63         AA420803.1         EST_HUMAN           22154         35688         0,62         5,0E-63         AA420803.1         RST_HUMAN           16689         29584         0,88         4,0E-63         AB014607.1         NT           17089         30067         1,06         4,0E-63         AB014607.1         NT           17089         30067         1,06         4,0E-63         AW150372.1         EST_HUMAN           24458         38121         2,02         4,0E-63         AW134709.1         EST_HUMAN           16131         28235         15,19         3,0E-63         AW134709.1         EST_HUMAN           16546         3353         3,0E-63         AW	11296			1.3	9.0E-63		EST_HUMAN	601865828F1 NIH_MGC_17 Homo sapiens cDNA done IMAGE:4098487 5'
16574         28703         2.68         8.0E-63         AF198349.1         NT           16715         29727         4.26         8.0E-63         AF198349.1         NT           17524         30505         4.36         8.0E-63         AF198349.1         NT           14125         3.38         7.0E-63         AB172137.1         EST_HUMAN           18656         2.264         3.38         7.0E-63         AB22437.1         EST_HUMAN           22164         3.5668         0.52         5.0E-63         AL163278.2         NT           17089         3.0067         1.06         4.0E-63         AL163278.2         NT           17089         3.0067         1.06         4.0E-63         AB014607.1         NT           17089         3.0067         1.06         4.0E-63         AW16372.1         EST_HUMAN           19737         33116         2.6         4.0E-63         AW134709.1         EST_HUMAN           24458         38121         2.02         4.0E-63         AW134709.1         EST_HUMAN           16131         28235         16.18         3.0E-63         AW134709.1         EST_HUMAN           16584         3.0E-63         AW134709.1         EST_HU	2420	15549		3.05	8.0E-63	4557734	FN	Homo sabiens monoamine oxidase A (MAOA), nuclear nene encoding mirochondrial nodes mRNA
16716         29727         4.26         8.0E-63 AF198349.1         NT           16716         29728         4.26         8.0E-63 AF198349.1         NT           17524         30505         4.36         8.0E-63 AF193288.2         NT           14125         3.38         7.0E-63 AB72437.1         EST HUMAN           18655         20564         0.52         5.0E-63 AA20803.1         EST HUMAN           22164         35668         0.52         5.0E-63 AB74607.1         NT           17089         30067         1.06         4.0E-63 AB014607.1         NT           10737         33117         2.6         4.0E-63 AW756372.1         EST HUMAN           24458         38121         2.0         4.0E-63 AW756372.1         EST HUMAN           24458         38121         2.0         4.0E-63 AW756372.1         EST HUMAN           24458         38121         2.0         4.0E-63 AW756372.1         EST HUMAN           16737         33147         2.0         4.0E-63 AW756372.1         EST HUMAN           16737         33147         2.0         4.0E-63 AW756372.1         EST HUMAN           16734         33122         2.02         4.0E-63 AW756372.1         EST HUMAN	2448	15574		2.58	8.0E-63	5031810	L	Homo sapiens IL2-Inducible T-cell Kinase (ITK), mRNA
16715         29728         4.26         8.0E-63         AF198349.1         NT           17524         30505         4.36         8.0E-63         AL163268.2         NT           14125         3.38         7.0E-63         AL163268.2         NT           18655         70.59         6.0E-63         A420803.1         EST_HUMAN           22154         35688         0.52         5.0E-63         AL163278.2         NT           10569         20564         0.62         A.0E-63         AL163278.2         NT           17089         30067         1.06         4.0E-63         AB014607.1         NT           19737         33116         2.6         4.0E-63         AW150372.1         EST_HUMAN           24458         38121         2.0         4.0E-63         AW150372.1         EST_HUMAN           24458         38121         2.0         4.0E-63         AW150372.1         EST_HUMAN           16131         2202         4.0E-63         AW150372.1         EST_HUMAN           16141         2202         4.0E-63         AW134709.1         EST_HUMAN           16131         2202         4.0E-63         AW134709.1         EST_HUMAN           16564	3550	16715		4.26	8.0E-63		LN LN	Gallus gallus Dach2 protein (Dach2) mRNA, complete cds
17524         30505         4.36         8.0E-63         AL163268.2         NT           14125         3.38         7.0E-63         AB72137.1         EST_HUMAN           18655         70.59         6.0E-63         AA420803.1         EST_HUMAN           22154         35688         0.52         5.0E-63         A163278.2         NT           17669         30069         1.06         4.0E-63         AL163278.2         NT           17089         30067         1.06         4.0E-63         AR163278.2         NT           17089         30067         1.06         4.0E-63         AR014607.1         NT           19737         33116         2.6         4.0E-63         AW150372.1         EST_HUMAN           24458         38121         2.02         4.0E-63         AW150372.1         EST_HUMAN           24458         38121         2.02         4.0E-63         AW134709.1         EST_HUMAN           16131         28235         15.19         3.0E-63         AW134709.1         EST_HUMAN           16544         3361         3.0E-63         AW134709.1         NT         AW1           16731         3.0E-63         AW134709.1         NT         AW1     <	3550	16715		4.26	8.0E-63		TN.	Gallus galius Dach2 protein (Dach2) mRNA, complete cds
14125         3.38         7.0E-63 Al872137.1         EST HUMAN           18655         70,59         60E-63 A420803.1         EST HUMAN           22154         35688         0.62         5.0E-63 A420803.1         EST HUMAN           1668         29584         0.88         4.0E-63 AL163278.2         NT           17069         30067         1.06         4.0E-63 AB014607.1         NT           17069         30067         1.06         4.0E-63 AB014607.1         NT           19737         33116         2.6         4.0E-63 AW756372.1         EST HUMAN           2448         38121         2.0         4.0E-63 AW1560372.1         EST HUMAN           2448         38121         2.02         4.0E-63 AW1560372.1         EST HUMAN           2448         38121         2.02         4.0E-63 AW1560372.1         EST HUMAN           1531         2.02         4.0E-63 AW1560372.1         EST HUMAN           1654         3.02-63 AW164706.1         EST HUMAN           1556         2.02         4.0E-63 AW164706.1         EST HUMAN           1564         2.02         3.0E-63 AW164706.1         NT           1565         2.02         4.0E-63 AW164706.1         NT	4381	17524	30505	4.36	8.0E-63		FN	Homo saplens chromosome 21 segment HS21 C068
18655 70.59 6.0E-63 AA420803.1 EST_HUMAN 22154 35668 0.62 6.0E-63 A163278.2 NT 17069 30066 1.06 4.0E-63 A163278.2 NT 17069 30067 1.06 4.0E-63 A8014607.1 NT 19737 33116 2.6 4.0E-63 AW750372.1 EST_HUMAN 19737 33117 2.6 4.0E-63 AW750372.1 EST_HUMAN 24458 38121 2.02 4.0E-63 AW750372.1 EST_HUMAN 15131 28235 15.18 3.0E-63 AW750372.1 EST_HUMAN 15054 23651 15.31 3.0E-63 AW750372.1 EST_HUMAN 15054 25061 1.49 3.0E-63 AW750372.1 NT 15054 27483 11.84 3.0E-63 AW750373 NT 18768 33151 33.93 3.0E-63 AM75035810 NT	952	14125		3.38	7.0E-63		EST_HUMAN	wm55g11.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2439908 3'
22154         35688         0.52         6.0E-63         11526464         NT           16668         29584         0.88         4.0E-63         AL163278.2         NT           17089         30066         1.06         4.0E-63         AB014607.1         NT           19737         33116         2.8         4.0E-63         ABV760372.1         EST HUMAN           24458         38121         2.02         4.0E-63         AW750372.1         EST HUMAN           2465         38122         2.02         4.0E-63         AW734709.1         EST HUMAN           16131         28235         16.19         3.0E-63         AW134709.1         EST HUMAN           1654         38122         2.02         4.0E-63         AW134709.1         EST HUMAN           1654         38123         3.0E-63         AW134709.1         IST HUMAN           1654         38123         3.0E-63         AW134709.1         IST HUMAN           1654         3.0E-63         AW134709.1         IST HUMAN           1654         3.0E-63         AW134709.1         NT           14425         27483         11.48         3.0E-63         JOG10.1           18783         3.3161         3.0	5455	18655		70.59	6.0E-63		EST HUMAN	nc63f02.r1 NCI_CGAP_Pr1 Homo saplens cDNA clone IMAGE:745947 similar to gb:Y00361 60S RIBOSOMAL PROTEIN (HUMAN):
16E68         29E84         0.8B         4.0E-63 AL163278.2         NT           17089         30066         1.06         4.0E-63 AB014607.1         NT           19730         33067         1.06         4.0E-63 AB014607.1         NT           19737         33116         2.6         4.0E-63 AB014607.1         RST HUMAN           24458         38121         2.02         4.0E-63 AW760372.1         EST HUMAN           24468         38121         2.02         4.0E-63 AW734709.1         EST HUMAN           16131         28235         16.19         3.0E-63 AW134709.1         EST HUMAN           1654         28061         1.49         3.0E-63 AW134709.1         NT           14425         27483         11.89         3.0E-63 AW134709.1         NT           14785         3.056         3.0E-63 AW134709.1         NT           1485         3.0E-63 AW134709.1         NT           1485<	9075		35698	0.62	5.0E-63	11526464	N	Homo saplens G protein-coupled receptor 51 (GPR51), mRNA
17069         30066         1.06         4.0E-63 AB014607.1         NT           17059         30067         1.06         4.0E-63 AB014607.1         NT           1937         33116         2.6         4.0E-63 AW750372.1         EST HUMAN           24468         38121         2.02         4.0E-63 AW134703.1         EST HUMAN           24469         38122         2.02         4.0E-63 AW134709.1         EST HUMAN           16131         2225         4.0E-63 AW134709.1         EST HUMAN           1654         38122         2.02         4.0E-63 AW134709.1         EST HUMAN           1654         3.0E-63 AW134709.1         EST HUMAN           1654         3.0E-63 AW134709.1         NT           14425         3.0E-63 AW134709.1         NT           14425         3.0E-63 AW134709.1         NT           147425         3.0E-63 AW134709.1         NT           19783         3.3151         3.0E-63 AW134709.1	3398		29584	0.88	4.0E-63		Ļ	Homo sapiens chromosome 21 segment HS21C078
17069         30067         1.06         4.0E-63         AB014607.1         NT           19737         33116         2.6         4.0E-63         AW756372.1         EST_HUMAN           19737         3317         2.6         4.0E-63         AW756372.1         EST_HUMAN           24488         38121         2.02         4.0E-63         AW134709.1         EST_HUMAN           15131         28235         15.19         3.0E-63         AW134709.1         EST_HUMAN           15564         29061         1.49         3.0E-63         AB018260.1         NT           14425         27493         11.84         3.0E-63         J03010.1         NT           19783         33151         33.0E-63         41645810 NT         NT	3910		30066	1.06	4.0E-63		۲N	Homo sapiens mRNA for KIAA0707 protein, partial cds
19737         33116         2.6         4.0E-63 AW760372.1         EST_HUMAN           19737         33117         2.6         4.0E-63 AW750372.1         EST_HUMAN           24488         38121         2.02         4.0E-63 AW13-700.1         EST_HUMAN           24468         38122         2.02         4.0E-63 AW13-700.1         EST_HUMAN           15131         22035         15.19         3.0E-63 AB018260.1         NT           14425         27493         11.49         3.0E-63 JO0310.1         NT           19783         33151         33.0E-63         11645810 NT	3910		30067	1.06	4.0E-63		۲	Homo saplens mRNA for KIAA0707 protein, partial cds
19737         33117         2.6         4.0E-63 AW750372.1         EST_HUMAN           24458         38121         2.02         4.0E-63 AW134709.1         EST_HUMAN           24468         38122         2.02         4.0E-63 AW134709.1         EST_HUMAN           15514         28235         15.19         3.0E-63 AB018260.1         NT           15654         29061         1.49         3.0E-63 J00310.1         NT           14425         27493         11.84         3.0E-63 J00310.1         NT           19783         33151         33.68         3.0E-63 J00310.1         11645810 NT	6575	19737	33116	2.6	4.0E-63		EST_HUMAN	CM3-BT0595-190100-072-a09 BT0595 Homo saplens cDNA
24458         38121         2.02         4.0E-63 AW134709.1         EST_HUMAN           24466         38122         2.02         4.0E-63 AW134709.1         EST_HUMAN           15131         28235         16.19         3.0E-63 AB018260.1         NT           15954         29061         1.49         3.0E-63 J00310.1         NT           14425         27433         11.84         3.0E-63 G005983 NT           19783         33151         33.0E-63 J05310.1         NT	6575	19737	33117	2.6	4.0E-63		EST_HUMAN	CM3-BT0595-190100-072-a09 BT0595 Homo sapiens cDNA
24468         38122         2.02         4.0E-63 AW134709.1         EST_HUMAN           15131         28235         15.19         3.0E-63 AB018260.1         NT           15954         29061         1.49         3.0E-63 J00310.1         NT           14425         27483         11.84         3.0E-63         6005933 NT           19783         33151         33,53         3.0E-63         11545810 NT	11397	24458	38121	2.02	4.0E-63			UI-H-BI1-abq-9-02-0-UI s1 NCI_CGAP_Sub3 Homo saplens cDNA clone IMAGE:2712482 31
15131         28235         15.19         3.0E-63 AB018260.1         NT           15954         29061         1.49         3.0E-63 J00310.1         NT           14425         27493         11.84         3.0E-63         6005963 NT           19763         33.93         3.0E-63         11545810 NT	11397	24458	38122	2.02	4.0E-63			UI-H-BI1-abq-a-02-0-UI:s1 NCI_CGAP_Sub3 Home sepiene cDNA clone IMAGE:2712482 3"
15954 29061 1.49 3.0E-63 J00310.1 NT 14425 27493 11.84 3.0E-63 6005963 NT 19763 33151 33.93 3.0E-63 11545810 NT	1989	15131	28235	15.19	3.0E-63			Homo saplens mRNA for KIAA0717 protein, partial cds
14425 27493 11.84 3.0E-63 6005963 NT 19763 33151 33.93 3.0E-63 11545810 NT	2840	15954	29061	1.49	3.0E-63		ΤN	Human Met-tRNA-i gene 1
19763 33151 33.93 3.0E-63 11545810 NT	2882	14425	27493	11.84	3.0E-63	6005963		Homo sapiens zinc finger protein 144 (Mel-18) (ZNF144), mRNA
	6603	19783	33151	33.93	3.0E-63	11545810		Homo saplens hepatocellular carcinoma antigen gene 520 (LOC63928), mRNA

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Top Hit Descriptor	AACCCC	601485655F1 NIH MGC 69 Homo sapiens cDNA cone IMAGE:3888253 5	601483555F1 NIH_MGC_69 Homo sapiens cDNA cione IMAGE:3888253 5	Human DNA topoisomerase I mRNA, partial cds	Homo sapiens eyes absent (Drosophila) homolog 2 (EYA2), mRNA	Homo saplens glutamate-cysteine ligase (gamma-glutamytoysteine synthetase), catalytic (72.8kD) (GLCLC) mRNA	Homo serviens Down syndrome candidate region 1 (DSCR1) mRNA	Homo sapiens RHCE mRNA for Rh blood CE group antigen belyneetide, complete cds	Homo sapiens RHCE mRNA for Rh blood OE group antigen polypeptide, complete cds	601301627F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3636103 5	wj54b02.x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2408603 3' sImilar to gb:M57609 GL13 PROTEIN (HUMAN);	Ното варіела атую́dd beta (A4) precursor protein (protease nexin-II, Atzheimer dissase) (APP), mRNA	Homo saplens chromosome 3 subtelomeric region	Homo sapiens polycystic kidney disease associated protein (PKD1) gene, complete cds	Homo sapiens jun dimerization protein gene, partial cds; cfos gene, complete cds; and unknown gene	Homo septens similar to ectonucleoticle pyrophosphatase/phosphodiesterase 3 (H. sapiens) (LOC63214), mRNA	QV1-FT0170-040700-285-c05 FT0170 Homo sapiens cDNA	QV1-FT0170-040700-265-005 FT0170 Home sapiens cDNA	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B), mRNA	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B), mRNA	Human germilne T.celi receptor beta chain Doparnine-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV27S1P, TCRBV27S1P, TCRBV2ZS1A2N1T, TCRBV9S1A1T, TCRBV7S1A1N2T, TCRBV5S1A1T, TCRBV13S3, TCRBV13S3A2T, TCRBV13S2A1T, TCRBV9S2A2PT, TCRBV7S2A1N4T, TCRBV13S2A1T, TCRBV13SA13S2	Homo saplens MIST mRNA, partial cds	Homo sapiens MIST mRNA, partial cds	Homo sapiens Carbonic anhydrase-related protein 10 (LOC56934), mRNA	Homo sapiens Carbonic anhydrase-related protein 10 (LOC56934), mRNA	Homo sapiens mRNA for KIAA1624 protein, partial cds	Homo saplens chromosome 21 segment HS21C010
Top Hit Database Source		╗	HOMAN							T HUMAN					¥ k		T HUMAN	Г			7 7 7 7						H H
Top Hit Acession No.		T	-	2.0E-63 U07804.1	4885226 NT	TN 4557824	7657042 NT	2.0E-63 AB030388.1			2.0E-63 AI863961.1	4502166 NT	2.0E-63 AF109718.1	2.0E-63 L39891.1	2.	11419429 NT	2.0E-63 BF373541.1	2.0E-63 BF373541.1	11421940 NT	11421940 NT	0 DE-83   JRR059 1	16		9910365 NT	9910365 NT		2.0E-63 AL163210.2
Most Similar (Top) Hit BLAST E	Value	3.01-63	3.0⊏-63	2.0E-63	2.0E-63	201-63	2.0E-63	20E-63	2.0E-63	2.0E-63	2.0E-63	2.0E-63	2.0E-63	2.0E-63	2.0E-63	2.05-63	2.0E-63	2.0E-63	2.0E-63	2.0E-63	2.05-83	2.0E-63	2.0E-63	2.0E-63	20E-63	2.0E-63	2.0E-63
Expression Signal		8:0	0.83	1.69	1.65	4.40	3.07	1.54	1.54	2.02	1.05	1.94	2.4	3.19	1.28	0.95	2.41	2,41	1.07	1.07	4	0.72	0.72	1.72	1.72	96'0	4.29
ORF SEQ ID NO:	00000	36533	36034	26449	26457		27087	27834	27835	28049	28407	29411	29544	30179	31096	31447	32509	32510	32842	32843	33403	33448	33440	33502	33503	34517	35346
SEQ ID	- 1	- 1	74847	- 1	13426	13704	ı	]	14750	14855	15282	16399	16529	J	18117	25802	]		19487	19487	19994	20039	20039	20086	J.		21810
Probe SEQ ID NO:	2000	2000		196	203	510	849	1697	1597	1806	2146	3225	3357	4014	4988	5376	8005	6003	6315	8315	248	6887	6887	7222	7222	7957	8730

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	_	_	_	_	<del>-</del> -			_	-		_		_		_	_			_		_		-	_	_		_		_		
Top Hit Descriptor	Homo saplens kinesin family member 3B (KIF3B), mRNA	Homo sapiens kinesin family member 3B (KIF3B), mRNA	Homo saplens chromosome 21 segment HS21C018	2b18b05.s1 Soares_fetal_Lung_NbHL19W Homo sapiens cDNA clone IMAGE:302385.3' similar to db:X17208.40S RIBOSOMAL PROTEIN S4 (HUMAN):	Homo saplens neurexin III-dipha gene, partial ods	Homo sapiens neuroxin III-aipha gene, partial cds	Homo saplens aconitese 2, mitochondrial (ACO2), mRNA	Homo sapiens calcium channel, voltage-dependent, alpha 11 subunit (CACNA11), mRNA	Homo saplens gene for AF-6, complete cds	Mus musculus wingless-related MMTV integration site 3A (Wint3a), mRNA	Mus musculus wingless-related MMTV integration site 3A (Wint3a), mRNA	HSCZVD111 normalized infant brain cDNA Homo sapiens cDNA clone c-zvd11	HSCZVD111 normalized Infant brain cDNA Homo saplens cDNA clone c-zvd11	Homo sapiens Xq pseudoautosomal region; segment 2/2	QV0-ST0215-060100-063-b09 ST0215 Homo sapiens cDNA	UI-H-BI3-alt-h-02-0-UI.s1 NOL CGAP Sub5 Homo saplens cDNA clone IMAGE:3068763 3'	UI-H-Bi3-alt-h-02-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:3068763 3'	Homo saplens chromosome 21 segment HS21C047	Homo saplens chromosome 21 segment HS21C007	UI-HF-BK0-aad-b-09-0-UI.r1 NIH_MGC_36 Homo sapiens cDNA clone IMAGE:3053153 5'	tm50b07.x1 NCI_CGAP_Kid11 Homo saplens cDNA clone IMAGE;2181625 3'	601166232F1 NIH_MGC_21 Homo sepiens cDNA clone IMAGE:3139038 57	601508968F1 NIH_MGC_71 Home sepiens cDNA clone IMAGE:3910336 5'	Homo sapiens Ran GTPase activating protein 1 (RANGAP1), mRNA	yb98b02.r1 Stratagene Ling (#937210) Homo sapiens cDNA clone IMAGE:79179 5'	601311455F1 NIH_MGC_44 Homo seplens cDNA clone IMAGE:3633204 5	Homo sapiens thimet oligopeptidase 1 (THOP1) mRNA	Homo sapiens thimet oligopeptidase 1 (THOP1) mRNA	Homo sapiens EWS, gar22, mp22 and bam22 genes	wb51e07.x1 NCI_CGAP_GC8 Homo septens cDNA clone IMAGE:2309220 3' sImilar to gb:M15182 BETA- GLUCURONIDASE PRECURSOR (HUMAN);	wb51e07.x1 NCI_CGAP_GC8 Homo sapiens cDNA clone IMAGE:2308220 3' similar to gb:M15182 BETA- GLUCURONIDASE PRECURSOR (HUMAN):
Top Hit Database Source	L	TN	F	EST HUMAN	Į.	NT.	Ę	F	ħ	NT	۲N	EST HUMAN	EST_HUMAN	Ψ	EST_HUMAN	EST_HUMAN	EST_HUMAN	TN	IN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN	EST_HUMAN	EST_HUMAN	FN	TN	ĹΝ	EST HUMAN	EST_HUMAN
Top Hit Acession No.	11420949 NT	11420949 NT	2.0E-63 AL163218.2	2.0E-83 N78945.1	2.0E-63 AF099810.1	2.0E-63 AF099810.1	11418185 NT	11418157 NT	2,0E-63 AB011399.1	7106448 NT	7106446 NT	1.0E-63 F08485.1	1.0E-63 F08485.1	1.0E-63 AJ271736.1	1.0E-83 AW 582266.1	1.0E-63 AW451950.1	1.0E-63 AW451950.1	1.0E-63 AL163247.2	1.0E-63 AL163207.2	9.0E-64 AW401433.1		8.0E-64 BE280798.1	8.0E-64 BE885755.1	11418177 NT	8.0E-64 T60651.1	7.0E-64 BE394321.1	4507490 NT	4507490 NT	7.0E-64 Y07848.1	6.0E-64 AI651992.1	6.0E-64 AI651992.1
Most Similar (Top) Hit BLAST E Value	2.0E-63	2.0E-63	2.0E-63	2.0E-83	2.0E-83	2.0E-83	2.0E-63	2.0E-63	2,0E-63	1.05-63	1.0E-83	1.0E-63	1.0E-83	1.0E-63	1.0E-83	1.0E-63	1.0E-83	1.0E-63	1.05-93	9.0E-84	9.0E-64	8.0E-64	8.0E-64	8.0E-64	8.0E-84	7.0E-64	7.0E-64	7.0E-64	7.0E-64	6.0E-64	8.0E-64
Expression Signal	0.94	0.94	1.2	10.73	2.89	2.89	3.84	1.19	1.37	1.55	1.55	3.31	3.31	1.73	1.38	0.68	0.68	2.97	88.88	0.81	5.57	3.45	3.51	2.79	3.68	0.74	6.34	6.34	2.62	5.73	5.73
ORF SEQ ID NO:	35879		36778	37699		37729				27018			08208			83088	33059			32598			32791				30974	30978		28002	28003
Exan SEQ ID NO:	22331		l l	24084	L		25929	25717	25760	13965	13966	17601	17601	18668	19078	19686	19686	21748	26047	18270	21134	14237	19442	25146	25185	16782	17987	17987	23274	14908	14909
Probe SEQ ID NO:	9254	9264	10143	10985	11012	11012	12380	13101	13172	786	786	4461	4461	5468	0689	6521	8521	8668	13121	6083	8051	1071	6268	12187	12243	3618	4854	4854	10239	1760	1760

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Top Hit Descriptor	wn3e03.x1 NCI_CGAP_Bm23 Homo saplens cDNA clone IMAGE:2529438 31	wr/3e03.x1 NCI_CGAP_Bm23 Homo sapiens cDNA clone IMAGE:2529436 3'	Homo sapiens MCP-1 gene and enhancer region	Hano sapiens MCP-1 gene and enhancer region	Homo sapiens protein kinase C beta-II type (PRKCB1) mRNA, complete cds	Homo sapiens atrophin-1 interacting protein 1; activin receptor interacting protein 1 (KIA40705), mRNA	Homo sapiens calcitonin receptor (CALCR), mRNA	Homo sapiens calcitonin receptor (CALCR), mRNA	Hamo saplens mesenchyme hameo box 1 (MEOX1), mRNA	Homo sapiens mesenchyme homeo box 1 (MEOX1), mRNA	Homo sepiens acetyl-CoA synthetase (LOC55902), mRNA	Homo sapiens progressive ankylosis-ilke protein (ANK) mRNA, complete cds	trkC [human, brain, mRNA, 2715 nt]	Homo saplens stromal antigen 3 (STAG3), mRNA	Homo sapiens stromal antigen 3 (STAG3), mRNA	wv13e03,x1 NCI_CGAP_Brr23 Homo sapiens cDNA clone IMAGE:2529436 3'	wv/3e03.xf NCI_CGAP_Brn23 Hamo sapiens cDNA clone IMAGE:2529436 3'	Homo sapiens Interleukin 10 receptor, beta (IL10RB), mRNA	Hono saplens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	Homo saplene mRNA for KIAA0903 protein, partial cds	Homo sapiens phosphoglucomutase-related protein (PGMRP) gene, complete cds	Homo sapiens phosphoglucomutase-related protein (PGMRP) gene, complete cds	Human (3)mbt protein homolog mRNA, complete cds	Homo sapians KIAA0618 gene product (KIAA0618), mRNA	Homo saplens KJAA0618 gene product (KJAA0818), mRNA	Homo sapiens putative transcription factor CR53 (CR53) mRNA, partial cds	601590382F1 NIH_MGC_7 Hamo saplens aDNA clone IMAGE:3944397 6'	RC3-ST0197-120200-015-a03 ST0197 Homo sapiens cDNA	RC3-ST0197-120200-015-e03 ST0197 Homo sapiens cDNA	C18895 Human placenta cDNA (TFujiwara) Homo sapiens cDNA clone GEN-569E02 5	601589568F1 NIH_MGC_7 Hama sapiens aDNA clone IMAGE:3943577 6	AV711714 DCA Homo sapiens GDNA clane DCAAMC01 5'
Top Hit Database Source	EST HUMAN	EST_HUMAN	Z	E	NT	NT	¥	L'N	Ľ	Σ	N	N.	Ł	Σ	Z.	EST_HUMAN	EST_HUMAN	LΝ	Z	۲	Į.	INT	NT	ΝΤ	Ę	N-	۲	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	6.0E-64 AW028445.1	8.0E-64 AW026445.1	6.0E-64 Y18933.1	6.0E-64 Y18933.1	6.0E-64 M13975.1	6912461 NT	11422189 NT	11422189 NT	11525879 NT	11525879 NT	11420555 NT	6.0E-84 AF274753.1	6.0E-64 S76475.1	11420197 NT	11420197 NT	6.0E-64 AW026445.1	6.0E-64 AW026445.1	11526198 NT	5.0E-64 AF231919,1	5.0E-64 AF231919.1	5.0E-64 AB020710.1	5.0E-64 L40933.1 ·	_40933.1	J89358.1	7662205 NT	7662205 NT	5.0E-64 AF017433.1	4.0E-64 BE794607.1	4.0E-64 AW813783.1	4.0E-64 AW813783.1			3.0E-64 AV711714.1
Most Similar (Top) Hit BLAST E Value	6.0E-64	9.0E-64	6.0E-64	6.0E-64	6.0E-64	6.0E-64	8.0E-64	6.0E-64	6.0E-64	6.0E-64	6.0E-64	6.05-84	6.0E-64	6.0E-64	6.0E-64	6.0E-64	6.0E-64	6.0E-64	5.0E-64	5.0E-64	5.0E-64	5.0E-64	5.0E-64 L40933.1	5.0E-64 U89358.1	5.0E-64	5.0E-64	5.0E-64	4.0E-64	4.0E-64	4.0E-64	3.0E-64	3.0E-64	3.0E-64
Expression Signal	3.91	3.91	2.95	2.05	5.32	0.68	0.74	0.74	2.54	2.54	7.39	1.75	2.16	4.68	4.68	1.73	1.73	2.98	4.18	4.18	1.02	1.15	1.15	1.54	4.43	4.43	7.25	0.71	2.34	2.34	8.77	0.82	1.83
ORF SEQ ID NO:	29372				32252	32260	32452	32453	33925	33926			36546	37724	37725	29372	29373	32081	27078	27079				27994	27746	27747	30231	34563					29704
Exon SEQ ID NO:	16367				18950	18959	19137	19137	20462			22755	22959					25280	14021	14021	14524	14608	14608	14898	14663	14683	17224	21050	24128		ŀ	j	16694
Probe SEQ ID NO:	3192	3192	6229	5739	5758	5767	5951	5951	7384	7384	9528	9708	9919	11008	11008	11269	11269	12400	843	843	1369	1453	1453	1749	2887	2887	4068	8000	11051	11051	2271	3327	3529

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Top Hit Descriptor	AV711714 DCA Homo seniens cDNA clope DCA 4 MON 8'	H.sablens isoform 1 gene for L-troe calcium channel evon 28	UI-HF-BP0p-aix-c-05-0-UI-rt NIH MGC 51 Homo saniana china Inda Circa Inda Cin	ROS-FN0019-290600-011-G11 FN0019 Home sentiens GINA	Homo saplens goldi matrix protein GM/30 (GOLGA2) mRNA complete cds	Homo saplens golgi matrix protein GM130 (GOLGA2) mRNA, complete cds	bb/2h12,y1 NIH_MGC_12 Homo sepiens cDNA clone IMAGE:3047975 5 similar to gb:L08069 DNAJ PROTEIN HOMOLOG 2 (HUMAN):	bb72h12.y1 NIH_MGC_12 Homo sepiens cDNA clone IMAGE:3047975 5' similar to gb:L08069 DNAJ	Homo sapiens chromosome 21 segment HS21Cn46	Homo saplens chromosome 21 segment HS21Cn46	EST389493 MAGE reseguences, MAGO Homo saplans cONA	EST389493 MAGE resequences. MAGO Homo employe CONA	Homo sapiens chromosome 21 segment HS21C046	Homo sapiens chromosome 21 segment HS21C046	Homo saplens chromosome 21 segment HS21C027	af09d08.s1 Soares testis NHT Homo sentens cDNA clone IMAGE: 103444.3	Homo sepiens el F4E like ceo-binding protein (4FHP) meny	wo87b01.x1 NCL_CGAP_Kid11 Homo sapiens cDNA clone INAGE:2482281 3' similar to contains element	Homo saplens chromosome 21 segment HS24C046	Homo saplens chromosome 21 segment HS21C046	EST370215 MAGE resequences, MAGE Homo sablens cDNA	EST370215 MAGE resequences, MAGE Homo saplens cDNA	AU124387 NT2RM2 Homo sapiens cDNA clone NT2RM2002113 5	Homo saplens anglopoletin 4 (ANG4) mRNA, partial cds	602123474F1 NIH MGC 56 Homo sepiens cDNA clone IMAGE 4280385 5	oz28b03.x1 Soures total fetus Nb2HF8 9w Homo saplens cDNA clone IMAGE:1878712.3	H.sapiens dopamine receptor D5 pseudosene 1. partial cds	Homo sapiens ataxin 2-binding protein 1 (A2BP1), mRNA	Homo saplene lymphocyte cytosolic protein 1 (L-plastin) (LOP1) mRNA	Homo sapiens fymphocyte cytosolic protein 1 (L-plastin) (LCP1) mRNA	AU132570 NT2RP4 Homo saplens cDNA clone NT2RP4000109 5'
Top Hit Database Source	EST HUMAN	NT	EST HUMAN	EST HUMAN	F	LZ.	EST HUMAN		TN TN	¥	L HUMAN	1	Т		LN	HUMAN		HUMAN	Т		Т	EST_HUMAN		_	_	Г	Г				EST_HUMAN /
Top Hil. Acession No.	3.0E-64 AV711714.1	l	3.0E-64 AW 500861.1	3.0E-64 BF370000.1	3.0E-64 AF248953.1	3.0E-64 AF248953.1	3.0E-64 BE206521.1	1		l	3.0E-64 AW977384.1	3.0E-64 AW977384.1	3.0E-64 AL163246.2	3.0E-84 AL163248.2	3.0E-64 AL163227.2	2.0E-84 AA609940.1	TN 1072774	2.0E-64 AI927030.1	2.0E-64 AL163245.2	2.0E-84 AL163246.2	2.0E-64 AW958145.1	2.0E-64 AW958145.1	2.0E-64 AU124387.1	2.0E-64 AF113708.1		_		11431054 NT	11434008 NT	11434008 NT	2.0E-64 AU132570.1
Most Similar (Top) Hit BLAST E Value	3.0E-64	3.0E-64	3.0E-64	3.0E-64	3.0E-64	3.0E-64	3.0E-64	3.05-64	3.0E-84	3.0E-84	3.0E-64	3.0E-64	3.0E-64	3.0E-84	3.0E-84 /	2.0E-84 /	2.0E-64	2.0E-84 /	2.0E-84/	2.0E-64	2.0E-64	2.0E-64 /	2.0E-84 /	2.0E-64	2.0E-84 E	2.0E-64	2.0E-64 M77185.1	2.0E-64	2.0E-64	2.0E-64	2.0E-64 A
Expression Signal	1.83	1.31	. 0.68	3.2	1.86	1.86	1.48	1.48	1.12	1.12	0.66	99.0	1.54	1.54	2.18	1.1	3.2	1.28	24	24	0.98	0.98	2.28	1.23	5.04	1.3	2.98	0.67	1.08	1.08	1.09
ORF SEQ ID NO:	29705			33170	35281	35282	35303	35304	36251	38252	36349	36350	38248	38249	38679	27334	27655		28840	28841	30045	30046	32649	32900	33165	33272	33402	34552	35480	35481	36071
Exan SEQ ID NO:		19381	1			21741	21772	21772		ı		1		24571	24975	14277	14582	16717	15721	15721	17048	17046	19308	18541	19774	19881	19993	21040	21947	21947	22506
Probe SEQ ID NO:	3529	6206	6471	6622	8661	8661	8692	8692	9627	9827	9714	9714	11614	11514	11990	1112	1428	2592	2597	2597	3887	3887	6129	6372	9614	6724	6840	7990	8868	8868	9431

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					.0		
Probe SEQ ID NO:	Exon SEO ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
9213		35834	4.63	6,0E-65	6.0E-65 AA427878.1	EST_HUMAN	zw53b06.s1 Scares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:773747.3'
9275		35902	0.62	6.0E-85	6,0E-65 AID85314.1	EST_HUMAN	qf18h05.x1 NCI_CGAP_Brr25 Homo sapiens cDNA clone IMAGE:1750425 3'
9276	ļ	36903	0.62	6.0E-85	6,0E-65 AID85314.1	EST_HUMAN	qf18h05.x1 NOL_CGAP_Bri25 Homo saplens cDNA clone IMAGE:1750425 3'
11113			3.58	8.0E-65	6.0E-65 BE567816.1	EST_HUMAN	601340485F1 NIH_MGC_53 Hamo saplens cDNA clane IMAGE:3682677 6'
11294	24360	38001	4.18	6.0E-65	6.0E-65 BF340825.1	EST HUMAN	602037721F1 NC_CGAP_Brn64 Homo sapiens cDNA clone IMAGE:4185677 5
11788			1.88	6.0E-63		ΙN	Homo sapians chromosome 21 segment HS21C010
648	13833		1.89	5.0E-65	5.0E-65 AF084604.1	LN	Homo sapiens KE03 protein mRNA, partial cds
1384				5.0E-65	T661951 NT	LN	Hamo sapiens KIAA0156 gene product (KIAA0166), mRNA
1384			1.92	5.0E-65	7661951 N	LN	Homo sapiens KIAA0156 gene product (KIAA0156), mRNA
2223		28487	1.07	5.0E-65	6.0E-65 AB033758.1	LN	Homo sapiens hPAD-colony10 mRNA for peptidylarginhe deminase type I, complete cde
3328	16501	29519	1.79	5.0E-85	4507848 NT	N	Homo saplens ubiquitin specific protease 13 (Isopeptidase T-3) (USP13) mRNA
3328	18601	29520	1.79	5.0E-65	4507848 NT	TN	Homo sepiens ubiquifin specific protesse 13 (Isopeptidase T-3) (USP13) mRNA
7008	20.44	33583	1.38	5.0E-65	4504608 NT	Į.	Homo sepiens Interferon-related developmental regulator 1 (IFRD1), mRNA
10684	23718		1.36	5.0E-85	5.0E-85 AF009668.1	-Z	Multiple sclerosis associated retrovirus polyprotein (pol) mRNA, partial cds
198	1	Ľ	1.3	4.0E-65	4.0E-65 AL120419.1	EST HUMAN	DKFZp761G108_r1 761 (synonym: hamy2) Homo sapiens cDNA clone DKFZp761G108 5
764	13945	26991	1.23	4.0E-65	4.0E-65 AI266468.1	EST_HUMAN	qm48e01 x1 Soares_placenta_8to9wecks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1891800 3'
764	13945	26992	1.23	4.0E-85	4.0E-85 A/266468.1	EST HUMAN	gm46e01.x1 Soares, placenta, 8to9weeks, 2NbHP8to9W Homo saplens cDNA done IMAGE:1891800.3"
1103	14268	27326	4.	4.0E-65	4826736 NT	FN	Homo sapiens fragile X mental retardation, autosomal homolog 1 (FXR1), mRNA
1515			24.91	4.0E-65	4506938 NT	LN	Homo saplens ribosomal protein L34 (RPL34) mRNA
2413	16643	28670	1.02	4.0E-65		EST_HUMAN	hu25e04.x1 NCI_CGAP_Me115 Homo sapiens cDNA clone IMAGE:3171102 3'
2413			1.02	4.0E-65	4.0E-65 BE221469.1	EST_HUMAN	hu25e04.x1 NOL CGAP Me115 Homo sapiens cDNA clane IMAGE:3171102 3'
6284		32807	4.96	4.0E-85		LN	Homo sapiens mRNA for KIAA1267 protein, partial cds
6284			4.98	4.0E-65	4.0E-65 AB033093.1	NT	Homo sapiens mRNA for KIAA1287 protein, partial cds
7233	20317		0.66	4.0E-65	4.0E-65 AY008372.1	L	Homo sapiens oxysterol binding protein-related protein 3 (ORP3) mRNA, complete cds
7268			6.04	4.0E-65	4.0E-65 M19879.1	LN	Human clabindin 27 gene, exons 10 and 11, and L1 and Alu repeats
7368	i I		2.3	4.0E-83	11545780 NT	TN	Homo saplens hypothetical protein FLJ22087 (FLJ22087), mRNA
7721	20785		0.65	4.0E-65	4.0E-65 U40372.1	TN	Human 3,5' cyclic nucleotide phosphodiesterase (HSPDE103A) mRNA, partial cds
7721	20785			4.0E-85		NT	Human 3',5' cyclic nucleotide phosphodiestarase (HSPDE1C3A) mRNA, partial cds
, 7993			0.67	4.0E-65	4.0E-65 U39656.1	N-I	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds
8025			0.83	4.0E-85		<b>L</b> 2	Homo sepiens nel (chicken)-like 2 (NELL2), mRNA
8025				4.0E-65	5453765 NT	NT	Homo sapiens nel (chicken)-like 2 (NELL2), mRNA
8346	22422	35975	0.88	4.0E-65	11429127 NT	LZ.	Homo sapiens Janus kinase 2 (a protein tyrosine kinase) (JAK2), mRNA

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Top Hit Descriptor	Homo sepiens WEE1 cane for protein kinase and partial 7NE143 sone for zinc finase transcription feature	Homo sapiens PRO1474 mRNA, complete ods	Homo saplens fragile X mental retardation, autosomal homolog 1 (FXR1), mRNA	DKFZp761G108 r1 761 (synonym; hamv2) Homo sepiens cDNA clone DKFZp761G108 gr	Homo saplens pre-B-cell colony-enhancing factor (PBEF) mRNA	H.sapiens HZF9 mRNA for zinc finder protein	Homo saplens Immunoglobin superfamily, member 3 (IGSF3) mRNA, and translated products	ov23f03.s1 Scares_tests_NHT Homo sapiens cDNA clone IMAGE:1638173.3' similar to contains element MSR1 renefitive element.	Homo sapiens laminin, beta 1 (LAMB1), mRNA	ov23f03.s1 Scares_tests_NHT Homo sapiens cDNA clone IMAGE:1638173 3' similar to contains element MSR1 repetitive element;	Homo sapiens rab6 GTP ase activating protein (GAP and pentrosome assertisted) /CADCENIA) would	601479686F1 NIH MGC 68 Home sapiens cDNA clone IMAGE:3882405 F	zw65a06.r1 Soares testis NHT Homo saplens cDNA chare IMAGE-784042 5:	602156062F1 NIH MGC 83 Homo saplens cDNA clone IMAGE 4295968 51	601190883F1 NIH MGC 7 Homo saciens cDNA clone IMAGE 3534741 5	602134359F1 NIH MGC 81 Homo sapiens cDNA clone IMAGE 4289295 5	Homo sapiens mRNA for FLJ00056 protein, partial cds	Homo sapiens mRNA for FLJ00056 protein, partial ode	Homo sapiens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 (SMARCD3), mRNA	EST178765 Colon carcinoma (HCC) cell line Homo sapiens cDNA 5' end similar to similar to endogenous retrovirus	601854033F1 NIH MGC 57 Home sanians cDNA china IMA GE: 40723789 K	601763488F1 NIH MGC 20 Homo sapiens cDNA clane IMAGE-4026601 67	Homo saplens putative Rab5 GDP/GTP exchange factor homologue (RABEX5), mRNA	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	Homo saplens mRNA for KIAA1513 protein, partial cds	hz24e09.x1 NCI_CGAP_GC6 Homo septens cDNA clone IMAGE:3208888.3'	Homo sapiens glypican 4 (GPC4) mRNA
Top Hit Database Source	L			T HUMAN		- LN		FST HIMAN		EST HUMAN		T HUMAN	EST HUMAN Z	1	EST HUMAN 6	Τ	Г			EST HUMAN	Т	Т		± o		EST_HUMAN h	
Top Hit Acession No.	4.0E-65 AJ277546.2		4826735 NT	4.0E-85 AL120419.1	31976		4504626 NT	3.0E-65 Algoo692.1	04950	3.0E-65 A1000692.1	6912385 NT	3.0E-65 BE787366.1	l		2.0E-65 BE263373.1		2.0E-85 AK024483.1	2.0E-65 AK024463.1	11419247 NT	2.0E-65 AA307904.1			7657495 NT	1.0E-65 AB026898.1	1.0E-65 AB040946.1	1.0E-65 BE466681.1	4504082 NT
Most Similar (Top) Hit BLAST E Value	4.0E-65	4.0E-65	4.0E-65	4.0E-65	3.0E-65	3.0E-65 X78932.1	3.0E-65	3.0E-65	3.0E-65	3.0E-65	3.0E-65	3.0E-65	3.0E-65/	2.0E-86	2.0E-65	2.0E-65	2.0E-65 /	2.0E-65	2.0E-65	2.0E-65	2.0E-85	1.0E-65	1.0E-65	1.0E-65	1.0E-65 /	1.0E-65	1.0E-65
Expression Signal	2.12	1.92	2.03	1.26	0.65	18.37	4.52	1.31	1.24	1.08	1.38	1.61	8.41	7.53	3.73	20.62	1.2	1.2	1,46	6.27	3.99	0.69	1.43	3.31	1.48	0.8	2.07
ORF SEQ ID NO:		38078	27326				27822	28122	29538	29078	30891	36905	37523	29670		33818	35668	35669	37608				26770	28141	28360		30259
Exan SEQ ID NO:	23841	24422	14268			15990	14741	16014	16522	16975	17908	23309	23900	16657	19825	20365	22125	22125	23976	25184	25906	13328	13745	15033	15238	!!	17259
Probe SEQ ID NO:	10808	11360	12628	13201	100	1260	1589	1868	3350	3815	4773	10274	11672	3490	9999	7282	9046	9046	10892	12241	12748	88	295	1889	2098	3458	4105

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Single Exon Probes Expressed in Placenta	Top Hit Descriptor	Homo sapiens glypican 4 (GPC4) mRNA	wx08c08.x1 NCI_CGAP_Gas4 Homo saplens cDNA clone IMAGE:2543152 3	WX09c09.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE;2543152.3'	xp20c01.xf NCI_CGAP_HN10 Homo saplens cDNA clone IMAGE:2740896 31	xp20c01.x1 NCI_CGAP_HN10 Homo saplens cDNA clone IMAGE:2740898 3'	QV0-BT0702-170400-194-f09 BT0702 Homo sapiens cDNA	QV0-BT0702-170400-194-f09 BT0702 Home sapiens cDNA	qh88h07.x1 Soeres_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1854109 3' similar to TR:Q07823 Q07823 MAC30 PROTEIN ;	QV2-ST0298-140200-042-f12 ST0298 Homo sapiens cDNA	QV2-ST0298-140200-042-f12 ST0298 Homo sapiens cDNA	601566124F1 NIH_MGC_21 Homo caplens cDNA clone IMAGE:3841012 5	601566124F1 NIH_MGC_21 Homo sapiens cDNA done IMAGE:3841012 5'	AU141295 THYRO1 Homo saplens cDNA clone THYRO1000356 5/	AU141295 THYRO1 Homo saplens cDNA done THYRO1000356 51	602126239F1 NIH_MGC_56 Homo sapiens cDNA clone IMAGE:4283313 5'	AU129040 NT2RP2 Homo sapiens cDNA clone NT2RP2004714 5'	AU129040 NT2RP2 Homo sapiens cDNA clone NT2RP2004714 5'	Homo sapiens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), mRNA	Homo sapiens KIAA0658 gene product (KIAA0658), mRNA	qd56802.xt Soaras_testis_NHT Homo saplens cDNA clone IMACE:1733450 3' similar to gb:M29981 ZINC_; FINGER PROTEIN 8 (HUMAN);contains MER19.t1 MER19 repetitive element:	AU153793 NT2RP3 Hamo sapiens cDNA clone NT2RP3004016 3'	275804.r1 Soares, pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:382734 6'	Homo sapiens mRNA for KIAA1411 protein, partial cds	Human platelet factor 4 varation 1 (PF4var1) gene, complete cds	Homo sapiens ribosomal protein L7a (RPL7A) mRNA	602126239F1 NIH_MGC_56 Homo saplens cDNA clone IMAGE:4283313 5'	Is78a08x1 NCI_CGAP_GCS Home saplens cDNA clone IMAGE:2237170 3' similar to gb:L15533_ma1	PANCHEATH S ASSOCIATED PROTEIN 1 PRECURSOR (HUMAN);	Homo sapiens TNF-inducible protein CG12-1 (CG12-1), mRNA	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA	Novel human gene mapping to chomosome 22	Novel human gene mapping to chomosome 22
e Exori Prop	Top Hit Database Source	LN .	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	INT	NT	EST HUMAN	EST HUMAN	EST_HUMAN	FZ	ΤN	FN	EST_HUMAN	-	EST HUMAN	Į.	LN T	님	N
Buic	Top Hit Acession No.	4504082 NT	1.0E-65 AW029340.1	1.0E-65 AW029340.1	1.0E-65 AW238282.1	1.0E-65 AW238282.1	1.0E-65 BE089509.1	1.0E-65 BE089509.1	1.0E-65 AI243738.1	1.0E-65 AW820481.1	1.0E-65 AW820481.1	1.0E-65 BE732118.1	1.0E-65 BE732118.1	1.0E-65 AU141295.1	1.0E-65 AU141295.1	1.0E-65 BF698707.1	1.0E-65 AU129040.1	1.0E-65 AU129040.1	11431994 NT	7662227 NT	1.0E-66 AI191716.1	1.0E-65 AU153793.1	1.0E-65 AA069559.1	1.0E-66 AB037832.1	1.0E-65 M26167.1	4506660 NT	1.0E-85 BF698707.1		1.0E-65 AI6210:7.1	11418041 NT	11418322 NT	9.0E-66 AL160311.1	9.0E-66 AL160311.1
	Most Similar (Top) Hit BLAST E Value	1.0E-65	1.0E-65	1.0E-65	1.0E-65	1.0E-85	1.0E-65	1.0E-65	1.0E-65	1.0E-65	1.05-65	1.0E-65	1.0E-65	1.0E-65	1.0E-65	1.0E-65			1.0E-65	1.0E-65	1.0E-65	1.0E-65	1.0E-65	1.0E-86	1.0E-65	1.0E-65	1.0E-85		1.0E-65	1.0E-65	1.0€-65	9.0E-66	9.0E-68
	Expression Signal	2.07	2.53	2.53				98.0	0.58	1.6	1.5	99'0	0.08	2.04	2.04	1.01	1.33	1.33	2.78	0.55	6.6	1.32	0.65			9.39	1.9		2.58	2.38			6.0
	ORF SEQ ID NO:		ĺ.,		•			31573		35057	35058	35088	35089			35662	35843	35844		35937	3è210	36730				37734	38118	L	38217	-		26334	
	Exon SEQ ID NO:	17259	17466	17468	18266	L_	18602	18602	18789	21529	21529	21556	21558		H		22300	22300	22309	22385	22640	23127	1			24095	24458		Ŀ	$\perp$			13310
	Probe SEO ID NO:	4105	4323	4323	5143	5143	5400	5400	5594	8448	8448	8475	8476	8514	8514	9041	9222	8222	9231	8309	9678	10089	10609	10796	10885	11016	11395		11486	12292	12391	73	23

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г		$\overline{}$	$\overline{}$	$\overline{}$	т	_	_	1	_	_	_	-	_	_	-	$\overline{}$	_	F	772		_	987	14.01	-	,,,,	7	-4.		
	Тор Hit Descriptor	Homo sapiens 26S proteasome-associated pad1 homolog (POH1) mRNA	Homo sapiens 28S proteasome-associated pad1 homdog (POH1) mRNA	Human transposon-like element, partial	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	RC4-BT0311-141199-011-h06 BT0311 Homo sapiens cDNA	wn57h07.x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE;2449597 3' similar to WP;F15G9.4A CE18595 ;	wn57h07.x1 NCI_CGAP_Lu19 Homo sapiens cDNA clane IMAGE:2449597.3° similar to WP:F15G9.4A CE18595;	wn57h07.x1 NCj_CGAP_Lu19 Homo sapiens GDNA clone IMAGE;2449597 3' similar to WP;F15G9.4A	OZ.10030. PM2-HT0604-030300.001-b06 HT0604 Home sarions c DNA	H.sapiens mRNA for ribosomal protein   31	RC4-BT0311-141198-011-h06-BT0311 Homo seniens cDNA	Homo saplens thyrold hormone receptor binding protein (AIB3), mRNA	Mus musculus fragile X mental retardation syndrome 1 homolog (Fmr1), mRNA	RC1-NN0063-100500-022-a02 NN0063 Homo saplens cDNA	H.sapiens DNA for endogenous retroviral like element	Homo sapiens germ-line DNA upstream of Jkappa locus	Human endogenous retrovirus, complete genome	Homo sepiens methylene tetrahydrofolate dehydrogenese (NAD+ dependent), methenyttetrahydrofolate cyclohydrofase (MTHFD2), mRNA	QV1-DT0069-110200-067-g10 DT0069 Homo sapiens cDNA	EST377546 MAGE resequences, MAGI Homo sapiens cDNA	Homo saplens cAMP-regulated guarine nucleotide exchance factor I (cAMP-GEFI) mRNA complete ode	Homo sapiens methylene tetrahydrofolate dehydrogenase (NAD+ dependent), methenyltetrahydrofolate	cyclohydrolase (MTHFD2), mRNA	Homo sapiens hypothetical protein FLJ20116 (FLJ20116), mRNA	Human endogenaus retravirus pHE 1 (ERV9)	UI-H-BW 1-amr-a-10-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA done IMAGE:3070747 3'	Homo sapiens mRNA for KIAA0998 protein, partial cds
	Top Hit Database Source	Ł	TN	LN LN	LN.	FZ	EST_HUMAN	EST HUMAN	EST_HUMAN	NAME OF THE	EST HUMAN	LN	EST HUMAN	IN	۲	EST_HUMAN	F	FZ	NT	ΝΤ	EST HUMAN	EST HUMAN	FZ		Ŋ	NT	TN	EST_HUMAN	NT
,	Top Hit Acession No.	5031980 NT	5031980 NT	9.0E-66 M87299.1	9.0E-66 M72393.1	9.0E-66 M72393.1	7.0E-66 BE084410.1	6.0E-66 A1924653.1	6.0E-66 A1924653.1	A OF GRANDONES 4			[5	11420557 NT	6679816 NT	4.0E-86 AW897798.1		4.0E-86 AJ223364.1	9635487 NT	11428643 NT	4.0E-86 AW939119.1	4.0E-66 AW965473.1	J78168.1		11428643 NT	11421638 NT	<b>(57147.1</b>	4.0E-66 BF507493.1	4.0E-66 AB023215.1
	Most Similar (Top) Hit BLAST E Value	9.0E-88	9.0E-56	9.0E-86	9.0E-88	9.0E-66	7.0E-66	6.0E-66	6.0E-66	A 10	6.0E-68	6.0E-66 X69181.1	5.0E-86	5.0E-68	4.0E-86	4.0E-88/	4.0E-66 X89211.1	4.0E-86 /	4.0E-66	4.0E-66	4.0E-86 /	4.0E-66/	4.0E-66 U78168.1		4.0E-66	4.0E-66	4.0E-66 X57147.1	4.0E-66	4.0E-66/
	Expression Signal	1.53	1.53	5.93	0.89	0.66	1.6	1.16	1.16	7 1	0.46	3.22	2.45	8.4	1.8	76.0	5.3	3.15	5.02	3.67	0.87	16.4	7.88		0.83	6.14	0.7	1.49	1.63
	ORF SEQ ID NO:		27618			30172		30605	30906	70805		38152			27046	28018	28618			32147	32358	31506	33817		32147	34867	34936	37612	38430
	Exon SEQ ID NO:		14540	14666	17164	17164		17625	17625	17625	1	ı	14552	1	13992		15486		18035	18862	19051	18514	20364	į	18862	21361	21409	23980	24739
	Probe SEQ ID NO:	1385	1385	1513	4007	4007	11628	4485	4485	4485	8620	11427	1398	9494	813	1775	2355	2543	4905	5668	5861	9669	7281		/80/	8269	8327	10896	11660

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Probe SEQ ID 8	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
1458	14611	27692	14.83	3.0E-66	4502098 NT	TN	Homo septens solute carrier family 25 (mitochondrial cerrier; adenine nucleotide translocator), member 5 (SLC25A5), nuclear gene encoding mitochondrial protein, mRNA
1458	14811	27693	14,93	3.0E-66	4502098 NT	ΤΝ	Homo sepiens solute carrier family 25 (mitochondriat carrier, adenine nucleotide translocator), member 5 (SLC25A5), nuclear gene encoding mitochondrial protein, mRNA
2039	15180	28290	1.04		3.0E-68 N56323.1	EST_HUMAN	yzz7g12.r1 Soares_multple_solarosis_2NbHMSP Homo sapieno cDNA clone IMAGE:284326 5' similar to SW:H2B1_TIGCA P35069 HISTONE H2B.1/H2B.2. [2] PIR:B56912;
2039	15180	28291	1,04		3.0E-66 N55323.1	EST_HUMAN	yzZ7g12.r1 Soarea_multple_solerosis_2NbHMSP Homo sepiens cDNA clone IMAGE;284326 5' similar to SW:H2B1_TIGCA P35068 HISTONE H2B.1/H2B.2. [2] PIR:B56612 ;
2039	15180		1.04		3.0E-66 N65323.1	EST_HUMAN	yzz7g12.r1 Soares_multiple_sclenosis_2NbHMSP Homo sapiens cDNA clone IMAGE:284328 6' similar to SW:H2B1_T1GCA P35068 HISTONE H2B.1/H2B.2. [2] PIR:B56812;
2772	15887	28882	3.44	3.0€-66	11141880 NT	N	Homo sapiens TGF(beta)-Induced transcription factor 2 (TGIF2), mRNA
3186	16361		7.29	3.0E-66	7662223 NT	NT.	Homo sapiens KIAA0649 gene product (KIAA0649), mRNA
5583	18778		0.85		3.0E-66 AB020699.1	. LN	Homo sapieno mRNA for KIAA0892 protein, partial cds
5695	18889	32180	99'0		M13975	TN	Homo sapiens protein kinase C beta-II type (PRKCB1) mRNA, complete cds
5893	19081	32391	1.72		11417946 NT	ΤN	Homo sapiens NIPSNAP, C. elegans, homdog 1 (NIPSNAP1), mRNA
5893	19081	32392	1.72		11417946 NT	TN	Homo sapiens NiPSNAP, C. elegans, homolog 1 (NiPSNAP1), mRNA
7585	20657		1.74		3.0E-66 X92211.1	TN	H.saplens germline immunoglobulin heavy chain, variable region, (15-1)
9725	22790		0.59		3.0E-66]AK024453.1	NT	Homo sapiens mRNA for FLJ00045 protein, partial cds
9920	22960		0.52		11417118 NT	NT	Homo sapiens KIAA0433 protein (KIAA0433), mRNA
10278	23313		0.88	3.0E-66	7019480 NT	TN	Homo sapiens protocadherin beta 1 (PCDH-beta1), mRNA
10741	23774	37386	0.95		3.0E-66 AF155659.1	NT	Homo saplens molybdenum cofactor blosysthesis protein E (MCBPE) mRNA, complete cds
11800	24790	38487	4.55	3.0E-66		Ŋ	Homo sapiens protein phosphatase 2, regulatory subunit B (B56), elpha Isoform (PPP2R5A) mRNA
62	13291	26304	1.48	2.0E-66	7657334 NT	LN	Homo sapiens Misshapen/NIK-related kinase (MINK), mRNA
52	13291	26305	1.48	2.0E-66	7657334 NT	NT	Homo saplens Misshapen/NiK-related kinase (MINK), mRNA
	1000,						Homo saplens origin recognition complex, subunit 5 (yeast homolog)-like (ORCSL) mRNA, and translated
Ş	13230	26235	0.87	2.0⊑-66	4505524 N1	Z	products
-			,			!	Homo sapiens origin recognition complex, subunit 5 (yeast homolog)-like (ORC5L) mRNA, and translated
435	13235	1	0.87		4505524 NT	L N	biodricis
1873	15017				2.0E-86 AL163301.2	뉟	Homo sapiens chromosome 21 segment HS21C101
3039	16215				2.0E-66 X65859.1	ᅜ	H.saplens pseudogene for the low affinity IL-8 receptor
3609	16773	29788			TN 06253290	ΝΤ	Homo saplens hypothetical protein FLJ20309 (FLJ20309), mRNA
3861	17021				2.0E-66 AL117233.1	TN	Novel human gene mapping to chomosome 1
4176	17326	30317	0.69		2.0E-66 AF108389.1	Ę	Homo sapiens sodium/calcium exchanger isoform NaCa3 (NCX1) mRNA, complete cds

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Top Hit Descriptor	Homo sapiens HLA-B gene for human leucocyte anticen B	Homo sapiens HLA-B gene for human leucocyte antigen B	EST380930 MAGE resequences, MAGJ Homo sapiens cDNA	EST380930 MAGE resequences, MAGJ Homo sapiens cDNA	1959e02.r1 Soares_multiple_sclerosis_2NbHMSP Homo saplens cDNA clone IMAGE:277826 5	Homo saplens G-2 and S-phase expressed 1 (GTSE1), mRNA	601508376F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3909931 5	AV717817 DCB Homo sapiens cDNA clone DCBADC07 5'	AV717817 DCB Homo septems cDNA clone DCBADC07 6'	AV717817 DCB Homo saplens cDNA clone DCBADC07 5'	AV717817 DCB Homo sapiens cDNA clone DCBADC07 5'	602152996F1 NIH MGC 81 Homo sapiens cDNA clone IMAGE:4294151 6	IL2-NT0101-280700-116-E04 NT0101 Home sapiens cDNA	IL2-NT0101-280700-116-E04 NT0101 Homo sapiens cDNA	RC5-BN0193-010900-034-G06 BN0193 Homo sapiens cDNA	aa80e04.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:8272623'	ze57e12.r1 Soares retina N2b4HR Homo sapiens cDNA cbne IMAGE:363118 5	AV748749 NPC Homo saplens cDNA clone NPCBVA05 5'	AV748749 NPC Homo sapiens cDNA clone NPCBVA05 5'	Homo sapiens jun dimerization protein dene, pertial cds: cfns gene, complete cds: and unknown nego	Homo saplens Ran GTPase activating protein 1 (RANGAP1), mRNA	EST01750 Subtracted Hippocampus, Stratagene (cat. #836205) Homo sapiens cDNA clone HHCPN31 similar to L1 repetitive element	eu75d02.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2782083 3' similar to gb:M37104 ATP SYNTHASE COUPLING FACTOR 6. MITOCHONDRIAL PRECLIRSOR (H.IMAN)	EST96812 Testis I Homo sapiens cDNA 5' end similar to similar to C, elegans hypothetical protein, cosmid ZK353	zh56b05.1 Soares fetal liver spleen 1NFLS S1 Homp sapiens cDNA clone IMAGE:416049 51	zh56b05,r1 Soares fetal liver splean 1NFLS S1 Homo sapiens cDNA clone IMAGE:416049 5	Homo saplens inositol 1,3,4-triphosphate 5/8 kinase (ITPK1), mRNA	Homo sapiens Inositol 1,3,4-triphosphate 5/6 kinase (ITPK1), mRNA	au75d02.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2782083 3' similar to gb:M37104 ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRIAL PRECURSOR (HUMAN);
Top Hit Database Source	, LZ	۲	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΝΤ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	TN TN	LN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	N⊤	LZ	EST_HUMAN
Top Hit Acession No.	2.0E-66 AJ133267.2	2.0E-66 AJ133267.2	2.0E-66 AW968854.1	2.0E-66 AW968854.1	2.0E-66 N45480.1	11418318 NT	1.0E-66 BE887173.1	1.0E-66 AV717817.1	1.0E-66 AV717817.1	1.0E-68 AV717817.1	1.0E-66 AV717B17.1	1.0E-66 BF673088.1	1.0E-66 BE765232.1	1.0E-66 BE765232.1	1.0E-66 BF328623.1	1.0E-66 AA668858.1	1.0E-66 AA018828.1	1.0E-66 AV748749.1	1.0E-68 AV748749.1	1.0E-66 AF111167.2	11418177 NT	8.0E-67 M78158.1	7.0E-67 AW162232.1	7.0E-67 AA383416.1	7.0E-67 W85947.1	7.0E-67 W85947.1	7657243 NT	7657243 NT	7.0E-67 AW162232.1
Most Similar (Top) Hit BLAST E Value	2.0E-66	2.0E-66	2.0E-66	2.0E-66	2.0E-66	2.0E-66	1.0E-66	1.0E-66	1.0E-66	1.0E-68	1.0E-66	1.0E-66	1.0E-86	1.0E-66	1.05-66	1.0E-66	1.0E-68	1.0E-66	1.0E-68	1.0E-66	9.0E-67	8.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67
Expression Signal	13.88	13.88	0.82	0.82	3.57	2.84	1.14	1.47	1.47	4.18	4.18	26.9	0.67	79'0	1.53	1.2	0.64	0.93	0.93	2.24	1.92	0.91	1.63	2.66	1,39	1.39	1.94	1.94	1.36
ORF SEQ ID NO:	30898	30899			35671			29153		29153	29154	31712		32403	33548	35271	36250	37223	37224	37889			28665	27641	27817	27818	28350	28351	26665
Exon SEQ ID NO:	17913	17913	19123	19123	22127	26147	14867	16136	16136	16136	16136	18696	19089	19089	20131		22681	23617	23617	24254	25278	18162	13628	14567	14737	14737	15229	15229	13628
Probe SEQ ID NO:	4778	4778	5937	5937	9048	12637	1717	2959	2963	4604	4204	5497	0069	2900	7078	8662	9626	10582	10582	11185	12398	5034	391	1413	1585	1585	2089	2089	2871

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Top Hit Descriptor	Homo sapiens zinc finger protein 304 (ZNF304), mRNA	Homo sapiens adaptor-related protein complex 2, bets 1 subunit (AP2B1), mRNA	Homo sapiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	Homo septens ATP ese, H+ transporting, lysosomal (vecuolar proton pump) non-catalytic accessory protein 14 (110/116kD) (ATP6N1A), mRNA	Homo sepiens mitochondrial carrier family protein (LOC55972), mRNA	Homo sapiens mitochondrial carrier family protein (LOC55972), mRNA	Homo sapiens phosphodiesterase i/nucleotide pyrophosphatase 3 (PDNP3) mRNA	Homo sepiens latent transforming growth factor bela binding protein 2 (LTBP2) mRNA	Homo sapiens retinaldehyde dehydrogenase 2 (RALDH2), mRNA	Homo sapiens fucosyltransferase 8 (alpha (1,6) fucosyltransforase) (FUT8), mRNA	Human cytochrome oxidase subunit VIa (COX8A1P) pseudogene, complete cds	Homo saplens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens gene for AF-8, complete cds	Homo sapiens calcium channel, voltage-dependent, alpha 2/delta subunit 1 (CACNA2D1), mRNA	H.sepiens mRNA for acetyl-CoA carboxylese	Homo sapiens mRNA for transmebrane receptor protein	Homo sapiens PMP69 gene, exons 3,4,5,8 & 7	Homo sapiens retinoblestoma 1 (including osteosarcoma) (RB1) mRNA	Homo capieno Synapsin III (SYN3) mRNA, and translated products	Homo sapiens Synapsin III (SYN3) mRNA, and translated products	Homo sapiens chromosome 21 segment HS21C001	Homo sapiens chromosome 21 segment HS21C001	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	H.sapiens mRNA for acetyl-CoA carboxylase	Homo saplens T cell receptor beta locus, TCRBV7S3A2 to TCRBV12S2 region	PM3-BN0176-100400-001-g04 BN0179 Homo sapiens cDNA	yn02d11.r1 Soares adult brain N2b4HB55Y Home capiene cDNA done IMAGE:167253 57		RC0-HT0934-150900-028-c03 HT0934 Homo saplens cDNA
Top Hit Database Source	LN	NT.	FN	FZ	LN	FZ	Į.	TN	Ę	F	F	5	Z	ヒス	Ę	Z1	Ę	LZ LZ	Z L	N <sub>T</sub>	L	IN	LN	TN	TN	Z	ĻΖ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN
Top Hit Acessian No.	10190695 NT	11425572 NT	11425572 NT	4885084 NT	11419212 NT	11419212 NT	4826895 NT	4557732 NT	10835044 NT	11434579 NT	7.0E-67 U82486.1	11430460 NT	11430450 NT	7.0E-67 AB011399.1	11421527 NT	6.0E-67 X68968.1	6.0E-67 Z17227.1	Y14320.1	4506434 NT	4507332 NT	4507332 NT	6.0E-67 AL163201.2	6.0E-67 AL163201.2	7657020 NT	7857020 NT	6.0E-67 X68968.1	5.0E-67 AFD09880.1	5.0E-67 BE010038.1	4.0E-67 R90819.1	4.0E-67 AI733032.1	4.0E-67 BF357321.1
Most Similar (Top) Hit BLAST E Value	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.05-67	7.0E-67	7.0E-67	7.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	5.0E-67	5.0E-67	4.05-67	4.0E-67	4.0E-67
Expression	0.98	1.67	1.67	1.12	0.89	0.99	0.52	0.7	0.68	242	2.02	4.05	4.05	1.92	1.74	1.09	2.4	1.07	1.39	1.32	1.32	0.92	0.92	2.22	2.22	2.74	2.26	2.17	1.13	0.8	1.48
ORF SEQ ID NO:	32730	32930	32931	33425		34359	34857	35134	35756		38660	38829	38830	32053		26788			29426		29699	30375	92505	30947	30948		29486		27588	34813	
Exan SEQ ID NO:	19380	19569	19589	20016	20864	20864	L	21599	22211	1	1	1	25131		L.,	1	1	1	16411	16689	16689	17389	17389	17960	17860	13765	l	1	14514	21283	]
Probe SEQ ID NO:	6205	9400	8400	6863	7809	7809	8268	8518	9132	11585	11973	12168	12168	12884	13108	673	818	1302	3237	3524	3524	4243	4243	4827	4827	13224	3283	11230	1369	8211	8576

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Top Hit Descriptor	mw08a01.s1 NCI_CGAP_SS1 Homo sapiens dDNA clane IMAGE:1238472.3' similar to TR:O10385 O10385 PRO-POL-DUTPASE POLYPROTEIN ;	EST37903 Embryo, 9 week Homo sapiens cDNA 5' end	RC4-BT0311-141199-011-h06 BT0311 Homo sapiens cDNA	MR3-SN0066-040500-008-f01 SN0066 Homo sapiens aDNA	Homo saplens chromosome 21 segment HS21C079	hr81f05.x1 NCI_CGAP_Kld11 Home saplens cDNA clone INAGE:3134913 3' similar to SW:RHOP_MOUSE O61085 GTP-RHO BINDING PROTFIN 1	om18b07.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1541365 3'	hw16g09.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:31831363' similar to WP:F23H11.9 CE09617 ;	QV4-ST0234-181199-037-f05 ST0234 Hamo sapiens cDNA	Homo saplens double stranded RNA activated protein kinase (PKR) gene, exons 2a, 2, 3, and 4	be72g05.y1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:2905976 6' similer to TR:094892 094892 KIAA0798 PROTEIN.;	ba72g05.71 NIH_MGC_20 Home seplens cDNA clone IMAGE:2805978 5' similar to TR:094892 O94892 KIAA0798 PROTEIN	Homo saplens KRAB zinc finger protein ZFQR mRNA, complete cds	Homo saplens developmentally regulated GTP-binding protein 1 (DRG1), mRNA	zu91g01.s1 Soares_testis_NHT Homo sapilens cDNA done IMAGE:745392 3'	Homo saplens chromosome 21 segment HS21C100	Novel human gene mapping to chomosome 13	601875351F1 NIH_MGC_55 Homo sapiens cDNA clone IMAGE:4091893 5'	Homo sapiens mRNA for NADPH-cytochrome P-450 reductase, complete cds	Homo sapiens mRNA for NADPH-cytochrome P-450 reductase, complete cds	DKFZp761A229_r1 761 (synonym: hamy2) Homo sapiens cDNA clone DKFZp761A229 5'	EST38860 Embryo, 9 week Homo sapiens cDNA 6' end similar to similar to cerebellin	EST38860 Embryo, 9 week Homo sapiens cDNA 5' end similar to similar to cerebellin	RC4-BT0566-170100-011-c07 BT0568 Home saptens cDNA	RC4-BT0366-170100-011-007 BT0366 Homo sapiens cDNA	AV731333 HTF Homo sapiens cDNA clone HTFARD03 5'	UI-H-BI2-ahn-e-10-0-UI.s1 NCI_CGAP_Sub4 Hamo saplens cDNA clone IMAGE:2727283 31	on88b07.s1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1563541 3'	602140470F1 NIH_MGC_46 Homo sapiens cDNA clone IMAGE:4301705 5'
Top Hit Database Source	EST_HUMAN	EST_HUMAN	Г	EST_HUMAN	Ę	EST HIMAN	T	EST_HUMAN	EST_HUMAN	LN	EST_HUMAN	EST HUMAN	NT	FZ	EST_HUMAN	INT	LN	T_HUMAN		Г				EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN
Top Hit Acesslon No.	4.0E-67 AA714294.1	3.0E-67 AA333768.1	3.0E-67 BE064410.1	3.0E-67 AW869159.1	3.0E-67 AL163279.2	3 0F-67 BF196068 1		2.0E-67 BE348354.1	2.0E-67 AW816405.1	2.0E-67 AF167460.1	2.0E-67 BE303037.1	2.0E-67/BE303037.1	2.0E-67 AF309561.1	4758795 NT		2.0E-67 AL163300.2				1				2.0E-67 AW602635.1		2.0E-67 AV731333.1			2.0E-67 BF685788.1
Most Similar (Top) Hit BLAST E Value	4.0E-67	3.0E-67	3.0E-67	3.0E-67	3.0E-67	3.0F-67	3.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	20E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67
Expression Signal	1.76	2.03	2.05	2.96	1.38	1.37	15.42	0.59	6.29	2.48	1.23	1.23	1.18	1.37	3.76	3.13	0.83	4.95	1.74	1.74	0.64	1.09	1.09	1.31	1.31	0.55	0.99	0.53	1.75
ORF SEQ ID NO:		26862		30934		34980	l		27109		28179	28180	28713	28749	29737			32772	i	32959	33330	35374				36332	36536		37840
Exan SEQ ID NO:	24381	13835		17949	17978	21456	L	13416	14044	14294	15076	15076	15585	15629				19426							1		1		24213
Probe SEQ ID NO:	11318	2874	3542	4816	4845	8375	11537	193	898	1129	1933	1933	2468	2502	3557	4109	6197	6252	6425	6425	6779	8755	8755	9197	9197	9766	9910	10848	11141

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Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
11310	28230		2.55	2.0E-67	11436448 NT	P	Homo sapiens KIAA0985 protein (KIAA0985), mRNA
11504		38240		2.0E-67	2.0E-67 BE295714.1	EST_HUMAN	601175782F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:3531038 5
11743	23929	37555		2.0E-67	2.0E-67 BF377169.1	EST_HUMAN	PM2-TN0103-040900-00102 TN0103 Homo saplens cDNA
12527	25988	31770	2.47	2.0E-67	11418189 NT	NT	Homo sapiens thyroid autoantigen 70kD (Ku antigen) (G22P1), mRNA
283	13482	26514	2.37	1.0E-67	4502166 NT	Ę	Homo sapiens amyoid beta (A4) precursor protein (protease nexin-1). Alzheimer diseasea (APP). mRNA
726	13908	26948	0.95	1.0E-67	1.0E-67 AA702794.1	T HUMAN	280b04.s1 Scares fetal liver spleen 1NFLS 51 Homo spotens cDNA clone INAGE:448015.
4833	17966	30954	0.73	1.0E-67	1.0E-67 BF439247.1	١	Inabelf08.x1 Soeres, NSF F8 9W OT PA P S1 Homo sablens cDNA clone IMAGE: 3'
11268	24337		1.47	1.0E-67	1.0E-67 BE010038.1	EST HUMAN	PM3-BN0176-100400-001-g04 BN0176 Homo sapiens cDNA
12105	25085		3.44	9.0E-68	4506090 NT	LN	Homo supiens mitogen-scrivsted protein kinase 8 (MAPK6), mRNA
2245	15378	28506	8.3	8.0E-68	8.0E-68 BE870732.1	EST HUMAN	601448558F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3852254 6'
3973	17130	30133	5.75	8.0E-68	8.0E-68 AA209456.1	EST_HUMAN	zq82h10.r1 Strategene hNT neuron (#937233) Homo sapiens cDNA clone IMACE:848163 5' similar to SW:SAV_SULAC Q07590 SAV PROTEIN.;
3973	17130	30134	5.75	8.0E-68	8.0E-68 AA209456.1	EST HUMAN	zz82h10.r1 Stratagene hNT neuron (#837233) Homo sapiens cDNA done IMAGE:648163 6' similar to SW:SAV SULAC Q07590 SAV PROTEIN.
8283	21375	34895	0.56	7.0E-68	7.0E-68 A/810505.1	EST HUMAN	wb89e03.Xf NCI_CGAP_Pr28 Homo sepiens cDNA clone IMAGE:2312860 3
10666	23700	37310	6.43	6.0E-68	11422086	Į.	Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2 (Bi G2), mRNA
11417	2447B	38143	134	80.70.8	6 OE -88 A E 133001 1	Ł	Homo sepiens killer inhibitory receptor 2-2-1 (KIR221) and killer inhibitory receptor 2-2-2 (KIR222) genes,
12868	25579		2.84	6.0E-68	T	EST HUMAN	501452067F1 NIH MGC 66 Hamo septens cDNA clane IMAGE: 3855761 5
13165	25756	31927	1.45	8.0E-68		EST HUMAN	901894935F2 NIH MGC 19 Hamo sepiens cDNA clone IMAGE: 4124144 S
825	15988	27050	2	5.0E-68	6.0E-68 AF231919.1	L	Homo sapiens chromosome 21 unknown mRNA
825	15986	27060	2	5.0E-68		ΝΤ	Homo septens chromosome 21 unknown mRNA
842	14020	27076	4.93	5.0E-88		LΝ	Homo saplens chromosome 21 unknown mRNA
842	14020	27077	4,93	5.0E-68		LN⊤	Homo saplens chromosome 21 unknown mRNA
3216	16390	29401	2.99	5.0E-68	AB037852,1	LΝ	Homo sepiens mRNA for KIAA1431 protein, partial cds
4297	17440		0.64	5.0E-88	4826967	NT	Homo cepiens retirioblestoma-binding protein 2 (RBBP2) mRNA
2594	15719	28836	1	4.0E-68	11421388 NT	E	Homo sepiens transcription factor NRF (NRF), mRNA
2594	15719	28837	+	4.0E-68	11421388	LN	Homo sepiens transcription factor NRF (NRF), mRNA
2080	18218		7.11	4.0E-68 P04406		SWISSPROT	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE, LIVER
6085	19267	32596	0.69	4.0E-68	4.0E-68 AF157063.1	NT	Homo saplans sedlin (SEDL) gene, exon 4
6912	20227	33659	6.03	4.0E-68	11055991 NT	L	Homo saplens serine carboxypeptidase 1 precursor protein (HSCP1), mRNA
6912	20227	33660	6.03	4.0E-68	11055991 NT		Homo sapiens serine carboxypeptidase 1 precursor protein (HSCP1), mRNA
7859	20913	34418	0.84	4.0E-68	7861683 NT		Homo sepiens DKFZP586L0724 protein (DKFZP586L0724), mRNA

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Top Hit Descriptor	Homo saplens mRNA for KIAA0145 protein, partial cds	Homo saplens mRNA for KIAA0145 protein, partial cols	Homo sapiens mRNA for KIAA1485 protein, partial cds	Homo sapiens protein tyrosine phosphatase type IVA, member 1 (PTP4A1) mRNA	Homo saplens protein tyrosine phosphatase type IVA, member 1 (PTP4A1) mRNA	Homo sapiens mRNA for KIAA1615 protein, partial ods	Homo sapiens SEC14 (S. cerevislae)-Ilike 2 (SEC14L2), mRNA	Mus musculus G-protein coupled receptor GPR73 (Gpr73) mRNA, complete cds	qt38h02.x1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone IMAGE:1950291 3' similar to contains	THR.t2 THR repetitive element ;	HSPD18178 HM3 Homo sapiens cDNA clone s3000023D09	QV1-DT0072-010200-056-h06 DT0072 Homo capiens cDNA	Cricetulus longicaudatus mRNA for EF-1 alpha, complete cds	7115f02x1 NCI_CGAP_CLL1 Homo saplens cDNA clone IMACE:3294747 3' similar to TR:O80828 O80828	HTPOTHETICAL 88.8 KD PROTEIN.	Homo sapiens gene for activin receptor type IIB, complete cds	yg38g04.s1 Scares Infant brain 1NIB Homo saplens cDNA clone IMAGE:348963'	601458514F1 NIH_MGC_66 Homo sapiens cDNA clone IMAQE:3862034 6'	IL3-CT0534-180900-273-A01 CT0534 Homo eaplens oDNA	FORMIN 4 (LIMB DEFORMITY PROTEIN)	QV0-BT0074-130999-014-g04 BT0074 Homo saplens cDNA	601437387F1 NIH_MGC_72 Homo eapiens cDNA clone IMAGE:3922192 5'	UI-H-BI0-aam-b-05-0-UI.s1 NCI_CGAP_Sub1 Homo sapiens cDNA clone IMAGE:2709824 3'	Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA	QV4-ST0234-181199-037-t05 ST0234 Homo saplens cDNA	Homo saplens mRNA for K/AA0577 protein, complete cds	Homo sapiens mRNA for KIAA0577 protein, complete cds	601177002F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3532344 5'	a47g12.s1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:146051831	Homo saplens cell recognition molecule Caspr2 (KIAA0868), mRNA	Homo saplens sentrin/SUMO-specific protease (SENP1), mRNA	Homo sapiens similar to ectonuclectide pyrophosphatasa/phosphodiesterase 3 (H. sapiens) (LOC63214), mRNA	Homo sapiens phosphodiesterase 7B (PDE7B), mRNA
Top Hit Database Source	LN	LN TN	Z	뒫	L	FZ	FZ	Ę		EST HUMAN	EST HUMAN	EST HUMAN	ار ا		ES HOMAN	L	EST_HUMAN	EST_HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	EST_HUMAN	EST HUMAN	LZ L	EST_HUMAN	LN	LN	EST_HUMAN	EST HUMAN	1N	TN	۲Z	N
Top Hit Acession No.	383479.2	363479.2	4.0E-68 AB040918.1	4506282 NT	4506282 NT	4.0E-68 AB040948.1	11417966 NT	3.0E-88 AF236082.1				3.0E-68 AW 939485.1	200522.1		2.0E-68 BE6/5/56.1	2.0E-68 AB008681.1	245088.1	2.0E-68 BF035316.1	2.0E-68 BF336745.1	205859	2.0E-68 BF330594,1	2.0E-68 BE897376.1	2.0E-68 AW016803.1	4505222NT	1.0E-68 AW818405.1	1.0E-88 AB011149.1	1.0E-68 AB011149.1	1.0E-68 BE296032,1	1.0E-68 AA897343.1	7662349 NT	11436716 NT	11419429 NT	11418869 NT
Most Similar (Top) Hit BLAST E Value	4.0E-68 D63479.2	4.0E-68 D63479.2	4.0E-68	4.0E-68	4.0E-68	4.0E-68	4.0E-68	3.0E-68/		3.0E-68/	3.0E-68 F28784.1	3.05-68	2.0E-68 D00522.1		2.0E-68	2.0E-68/	2.0E-68 R45088.1	2.0E-68	2.0E-68	2.0E-68 Q05859	2.0E-68	2.0E-68	2.0E-68 /	1.0E-68	1.0E-68	1,0E-88 /	1.0E-68	1.0E-68	1.0E-88	1.0E-68	1.0E-68	1.0E-88	1.0E-68
Expression Signal	5.59	5.59	3.17	1.64	1.64	1.72	1.17	3.54		3.5	1.35	2,83	29.7		0.79	2.33	9.21	3.81	0.68	0.58	1.49	1.59	1.32	0.83	16.49	1.24	1.24	6.0	0.71	1.92	0.75	0.45	2.18
ORF SEQ ID NO:	35859	35860				38161				Ì	37359					30926		33486											31231	31816	34412		
SEQ ID NO:	22317	22317	ŀ	ł	1		l	16912	l		23763			l	- 1			20074		١.		١.	1					17271			20908	ĺ	
Probe SEQ ID NO:	9240	9240	08280	11251	11251	11434	12728	3751		9656	10720	13111	2925		4135	4803	7015	7209	7527	9160	11521	12285	13192	81	307	2326	2326	4117	5140	5437	7853	10385	11089

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Top Hit Descriptor	Homo sapiens phosphodiesterase 78 (PDE78) mRNA	Homo saplens MIF2 suppressor (HSMT3) mRNA, complete ods	Homo saplens myosin IC (MYO1C), mRNA	Human protein kinase C substrate 80K-H (PRKCSH) cene. exon 4-5	Human protein kinase C substrate 80K-H (PRKCSH) gene. exon 4-5	Homo sapiens CGI-78 protein (LOC51632), mRNA	Homo saplens CGI-78 protein (LOC51632), mRNA	Homo saplens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo saplens ADP-ribosylation factor GTPase activating protein 1 (ARFGAP1), mRNA	Homo sapiens pre-B-cell colony-enhanding factor (PBEF) mRNA	Homo saplens pre-B-cell colony-enhancing factor (PBEF) mRNA	Homo saplens 26S proteasome-associated pad1 homolog (POH1) mRNA	Homo sapiens 26S proteasome-associated pad1 homolog (POH1) mRNA	Homo sapiens v-raf murine sarcoma viral oncogene homolog B1 (BRAF) mRNA	Homo sapiens glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), regulatory (30.8kD) (GLCLR) mRNA	AU117241 HEMBA1 Homo septems cDNA close HEMBA1000088 F	Homo sapiens RIBIIR gene (partial), exon 12	Homo sapiens actin-related protain 3-beta (ARP3BETA), mRNA	qe62h01.x1 Soares, fetal Jung, NbHL19W Homo saplens cDNA clone IMAGE:1743601 3' similar to gb:L11568 603 RIBOSOMAL PROTEIN L18 (HUMAN):	qe52h01.x1 Sceres_febal Jung_NbHL19W Homo sapiens cDNA clone IMAGE:1743601 3' similar to close 11,1368 60S RIBOSOMAL PROTFIN 148 HI MAN:	od60a03.s1 NCI CGAP GCB1 Home septems cDNA circus IMA GE-1372300.31	wm26h11x1 NCI CGAP Ut4 Homo saplens cDNA clone IMAGE:24371253	601344705F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3677641 5:	wh87b08.x1 NCL_CGAP_Kld11 Homo saplens cDNA clone IMAGE:2384819 3' similar to TR:055137	Homo seriens latent transforming growth forths help kinding within 2 // 1915/21 1914	Homo sabiens latent transforming growth factor hata hinding protein 2 (1 1972) mBNA	AU119634 HEMBA1 Homo sapiens cDNA clone HEMBA1008283 5	601110371F1 NIH_MGC_16 Hamo sapiens cDNA clane IMAGE:3351352 5	Homo sapiens Smad- and Olf-Interacting zinc finger protein mRNA, partial cds
Top Hit Database Source	Į.	Ρ	FZ	ΝŢ	TN	۲	¥	N	Į.	뉟	Ā	F	Į.	Ę	FZ		T HUMAN	Ì		EST_HUMAN	EST HUMAN	Т	Г	HUMAN		NOW THE		T HUMAN	EST_HUMAN	П
Top Hit Acession No.	11418869 NT	76416.1	11433277 NT	1.0E-68 U50319.1	1.0E-68 U50319.1	11418431 NT	11418431 NT	450522 NT	11430460 NT	11418213 NT	5031976 NT	5031978 NT	5031980 NT	5031980 NT	4757867 NT	TN 0104010	9.0E-69 AU117241.1	8.0E-69 AJ237744.1	9966012 NT	6.0E-69 AI192764.1	6.0E-69 AI 192764.1		Γ	4.0E-69 BE561063.1	4 05-59 61784079 4	67732	4557732 NT	4.0E-69 AU119634.1	3.0E-69 BE258012.1	3.0E-69 AF221712.1
Most Similar (Top) Hit BLAST E Value	1.0E-88	1.0E-68 L76416.1	1.0E-68	1.0E-68	1.0E-68	1.0E-68	1.0E-68	1.0E-88	1.0E-68	1.0E-68	9.0E-69	9.0E-69	9.0E-69	9.0E-69	9.0E-69	9.0E-69	9.0E-69	8.0E-69	7.0E-89	6.0E-69	6.0E-69	6.0E-69	4.0E-69	4.0E-69	4 05-50	4 0F-R9	4.0E-69	4.0E-69 A	3.0E-69 B	3.0E-69 A
Expression	2.18	281	1.7	283	2.83	1.81	1.81	2.53	3.05	1.88	2.42	2.42	66.0	0.89	9.0	0.89	7.86	1.28	4.44	1.85	1.85	1.05	1.18	1.53	4 62	3.17	3.17	0.55	5.24	2.78
ORF SEQ ID NO:	37800	37841		38313		38653			31661			26261	27275	27278	30380	30397			33011	34649	34650	35795		32378	32467	33315	33316	35739	26872	26834
Exen SEQ ID NO:	24163	24214	L	24634		24948							J	14219	17392	17411	24200	16640	19648	21130	21130	22252	13726	25812	19152	19920	19920	22194	13634	13812
Probe SEQ ID NO:	11089	11142	11468	11580	11580	11963	11963	12849	13100	13164	22	8	1063	1053	4248	4266	11128	3473	6482	8047	8047	9174	533	5881	5968	2978	6764	9115	397	627

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Top HIt Descriptor	yd08a02.r1 Soares Infant brain 1NIB Home sapiens cDNA clone IMAGE:24880 5' similar to SP.A48836 A48836 SPEGF III=EGF REPEAT-CONTAINING FIBROPELLIN-LIKE PROTEIN - SEA URCHIN ;	Homo sapiens lymphatic vessel endothelial hyaluronan receptor 1 (LYVE-1) mRNA	Homo saplens aconitase 2, mitochondria (ACO2), mRNA	Homo sapiens short chain L-3-hydroxyacy-CoA dehydrogenase precursor (HADHSC) gene, nuclear gene encoding mitochondrial protein, complete ods	Homo sapiens arm-rapeat protein NPRAP/neurojungin (CTNND2) mRNA, partial cds	Homo sapiens TRAF6-binding protein T6BP mRNA, complete cds	UI-H-BI1-acw-g-01-0-UI.s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2715840 3'	EST88807 HSC172 cells II Homo sapiens cDNA 5' end similar to similar to ribosomal protein S18	H. sapiens mRNA for N-ecetylglucosamide (beta 1-4)-galactosyltransferase	Human mRNA for calclum-binding protein in macrophages (MRP-14) macrophage migration inhibitory factor (MIP)-related protein	Homo sapiens SEC10 (S. cerevisiae)-like 1 (SEC10L1), mRNA	Homo sapiens ribosomal protein S15a (RPS15A), mRNA	EST88807 HSC172 cells II Homo saplens cDNA 5' end similar to similar to ribosomal protein S18	Homo sapiens mRNA for MEGF8, partial cds	Homo sapiens mRNA for MEGF9, partial cds	Homo sapiens HGC6.2 protein (HGC6.2), mRNA	Homo saplens KIAA0663 protein gene, complete cds, and alphalib protein gene, partial cds	Homo sapiens KIAA0553 protein gene, complete cds; and alphallib protein gene, partial cds	Homo sapiens KIAA0353 protein gene, complete cds; and alphallb protein gene, partial cds	Home saplens KIAA0553 protein gene, complete cds; and alphalib protein gene, partial cds	801109444F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3350074 5'	zw71g02.r1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:781682.5'	zn29g01.r1 Stratagene pancreas (#937208) Homo sapiens cDNA clone IMAGE:527088 5'	RC0-BN0305-200600-031-f05 BN0305 Homo sapiens cDNA	Rattus norvegicus brain specific cortactin-binding protein CBP90 mRNA, partial cds	601301284F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3635781 5'	601675788F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3958532 6'	601675788F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3958532 5'	
Top Hit Database Source	EST_HUMAN	L	NT	TN	NT	LN	EST HUMAN	EST_HUMAN	LN	N	NT	N.	EST_HUMAN	N-	N	F	TN	INT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	N	EST_HUMAN	EST HUMAN	EST_HUMAN	
Top Hit Acession No.	80514.1	6729910 NT	11418185 NT	3.0E-69 AF095703.1		3.0E-69 AF268075.1	3.0E-69 AW138646.1	3.0E-69 AA376399.1		(06233.1	5730036 NT	11432120 NT	3.0E-69 AA376399.1	3.0E-69 AB011541.1	3.0E-69 AB011541.1	19157	2.0E-69 AF160262.1		2.0E-69 AF160252.1			,	2.0E-69 AA114270.1	1.0E-69 BF330124.1	1.0E-69 AF053768.1	1.0E-69 BE409094.1	1.0E-69 BE902501.1	1.0E-69 BE902501.1	
Most Similar (Top) Hit BLAST E	3.0E-69 780514.1	3,05-69	3.0E-69	3.0E-69	3.0E-69 U52351.1	3.0E-69 4	3.0E-69/	3.0E-69	3.0E-69 X13223.1	3.0E-69 X06Z33.1	3.0E-89	3.0E-69	3.0E-69	3.0E-69	3.0E-69/	3.0E-69	2.0E-69 /	2.0E-69/	2.0E-69 /	2.0E-69/	2.0E-69	2.0E-69/	2.0E-69 /	1.0E-69	1.0E-69 4	1.0E-69	1.0E-69 E	1.0E-69	
Expression Signal	1.12	2.18	1.37	0.76	1.74	8.4	1,33	97.0	1.74	3.15	0.58	2.74	7.68	1.77	1.77	3.1	1.09	1.09	4.45	4.45	1.79	4.14	0.95	1	2.4	0.63	0.83	0.83	04,
ORF SEQ ID NO:			38823	34076	34128	34277	35190		36238	36372	38672	37590		38785	38796		26651	26852	26651	26952	28181		35368		27980		32697	32698	20000
Exon SEQ ID NO:	14738		18483	20802		20788	21648			22798	23072	23962	24155	1			13612	13612				- 1	21830			18260	19351	1	1000
Probe SEQ ID NO:	1586	2449	2357	7629	7578	7724	8567	8967	9613	9733	10034	10877	11080	12112	12112	12305	131	131	417	417	1934	2906	8761	1680	1739	5137	6175	6175	10040

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Table 4
Single Exon Probes Expressed in Placenta

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Тор НК Descriptor	Homo sapiens KIAA0716 gene product (K!AA0716), mRNA	Homo sepiens mRNA for KIAA1147 protein, partial ods	Homo sapiens mRNA for KIAA1147 protein, partial cds	801278632F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3610614 5/	601278632F1 NIH_MGC_39 Homo sepiens cDNA dane IMAGE:3610614 5'	TCBAP1E2678 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA Homo saptens cDNA clone TCBAP2678	TCBAPTE2878 Pediatric pre-B cell abutis fymphoblastic leukernia Baylor-HGSC project=TCBA Homo sepiens	602043782F1 NCT CGAP Bm67 Home seniens cDNA clone IMAGE:4181325 61	Homo sapiens keratin 8 (KRT8) mRNA	601762902F1 NIH MGC 20 Homo septons cDNA clone IMAGE:4025785 5'	wf64e08.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2360390 3' similar to contains Alu	repolitive element;contains element MIR repetitive element ;	nc13d12.r1 NCI_CGAP_Pr1 Homo saplens cDNA clone IMAGE:1008023	Homo sapiens DGS-i mRNA, 3' end	tm89f01.x1 NCI_CGAP_Brn25 Homo sapiens cDNA done IMAGE:2165305 3'	tm89f01.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2165305 3'	215h04,r1 NOL_CGAP_GCB1 Homo sapiens cDNA done MAGE:713239 5	Homo saplens tumor suppressor deleted in oral cancer-related 1 (DOC-1R) mRNA	Homo saplens adenylate cyclase 3 (ADCY3) mRNA	Homo sapiens MiST mRNA, partial cds	Homo saplens MIST mRNA, partial cds	Homo eapiens gene encoding spilcing factor SF1, exons 2-8	Homo sapiens titin immunoglobulin domain protein (myotilin) (TTID), mRNA	Homo sapiens mRNA for KIAA1294 protein, partial cds	Homo sapiens mRNA for KIAA1294 protein, partial cds	Human displacement protein (CCAAT) mRNA	Human displacement protein (CCAAT) mRNA	Human PBX3 mRNA	Human PBX3 mRNA	Homo sapiens phospholipid scramblase 1 gene, exon 1 and 5' flanking region	Homo saplens karyopherin beta 2b, transportin (TRN2), mRNA	Homo sapiens karyopherin beta 2b, transportin (TRN2), mRNA
Top Hit Database Source	ΤN	NT	Ϋ́	EST_HUMAN	EST HUMAN	EST HUMAN	100	Т		EST HUMAN	П	7	T_HUMAN	١			EST HUMAN	ł.	IN			NT	ΙN	ĹΝ	-X	F	TN	TN		노	LN	Ę
Top Hit Acession No.	7662263 NT	1.0E-69 AB032973.1	1.0E-69 AB032973.1	1.0E-69 BE531007.1	1.0E-69 BE531007.1	1.0E-69 BE245070.1	4 OF 80 DE 24E0Z0 4	1.0E-69 BF528429.1	4504918 NT	1.0E-69 BF125887.1		1.0E-69 AI809994.1	8.0E-70 AA230303.1	8.0E-70 L77596.1	7.0E-70 AI497807.1	7.0E-70 AJ497807.1	7.0E-70 AA282955.1	5031668 NT	4757723 NT	7.0E-70 AB032369.1	7.0E-70 AB032369.1	7.0E-70 AJ000052.1	11417306 NT	7.0E-70 AB037715.1	7.0E-70 AB037715.1	7.0E-70 M74099.1	7.0E-70 M74099.1	7.0E-70 X59841.1	7.0E-70 X59841.1	7.0E-70 AF153715.1	11525964 NT	11525884 NT
Most Similar (Top) Hit BLAST E Value	1.0E-69	1.05-69	1.05-69	1.05-69	1.0E-69	1.0E-69	10.4	1.05-69	1.0E-69	1.0E-69		1.0E-69	8.0E-70	8.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.05-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.05-70	7.05-70
Expression Signal	1.22	2.91	2.91	0.61	0.81	5.01	70 8	80	35.41	1.88		3.4	1.56	1.64	2.42	2.42	1.67	5.13	4.29	5.4	5.4	1.9	0.64	2.55	2.55	3.8	3.8	5.59	5.59	2.88	1.7	1.7
ORF SEQ ID NO:	33710			33578		37020	27024			38352							28229										38539		36882		34617	
SEQ (C)	١ ١	20204	1		l	23412	28445	1	١.	25181	1			17633	15002	15002				18795										ı		21102
Probe SEQ ID NO:	8969	6976	6976	7021	7021	10377	10377	10625	11112	12237		12673	2409	4483	1856	1856	1984	2125	4340	5600	5600	7064	7945	8626	8626	8919	8919	9358	8328	9635	0996	0996

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Top Hit Descriptor	Homo sapiens glutamate-cysteine ligase (gamme-glutamycysteine synthetase), catalytic (72.8kD) (GLCLC) mRNA	Homo sapiens NDST4 mRNA for N-deacetylase/N-sulfotransferase 4, complete cds	Homo sepiens NDST4 mRNA for N-deacetylase/N-sulfotransferase 4, complete cds	Homo sapiens spastic paraplegia 4 (autosomal dominant; spastin) (SPG4), mRNA	Homo sapiens spastic paraplegia 4 (autosomal dominant, spastin) (SPG4), mRNA	Homo sapiens HIR (histone cell cycle regulation defective, S. cerevisiae) homolog A (HIRA), mRNA	Homo seplens HIR (histone cell cycle regulation defective, S. cerevisiae) homolog A (HIRA), mRNA	Homo sapiens amyloid beta (A4) precursor protein (protease nexin-II, Aizhelmer dissase) (APP), mRNA	Human Ku (p70/p80) subunit mRNA, complete cds	Homo sapiens sodium-dependent high-affinity dicarboxylate transporter (NADC3) mRNA, complete cds	Homo sapiens KIAA0792 gene product (KIAA0792), mRNA	Homo sapiens KiAA0792 gene product (KIAA0792), mRNA	MR3-HT0487-150200-115-206 HT0487 Homo sapiens cDNA	EST03926 Fetal brain, Stratagene (cat#936206) Homo sapiens cDNA clone HFBDN25	CM4-UM0003-010300-105-g08 UM0003 Homo saplens cDNA	CM4-UM0003-010300-105-g08 UM0003 Homo sapiens cDNA	RC0-BT0522-071299-011-a12 BT0522 Homo sapiens cDNA	RC0-BT0522-071299-011-a12 BT0522 Homo saplens cDNA	Homo saplens Xq pseudoaulosomal region; segment 2/2	Homo sapiens plakophilin 4 (PKP4), mRNA	Homo sapiens plakophilin 4 (PKP4), mRNA	wh90d03.x1 NCI_CGAP_CL1 Homo sapiens cDNA clone IMAGE:2388005 31	602141561F1 NIH_MGC_46 Homo saplens cDNA clone IMAGE:4302806 5'	602141561F1 NIH_MGC_46 Homo sapiens cDNA clone IMAGE:4302806 5'	hz81h02.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE;32144193'	Homo sapiens phosphatidylinositol 4-kinase 230 (pi4K230) mRNA, complete cds	yy07a10.r1 Sogres melanocyte 2NbHM Homo sapiens cDN4 clone IMAGE:270522 5' similær to SW:D3HI_RAT P292663-HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR ;
Top Hit Detabase Source	FN	Z.	NT	NT	NT	NT	NT	N	IN	ΝŢ	N <sub>T</sub>	F	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΝΤ	EST_HUMAN
Top Hit Acession No.	4557824 NT	7.0E-70 AB036429.1	7.0E-70 AB036429.1	11429685 NT	11429685 NT	11526319 NT	11526319 NT	4502168 NT	6.0E-70 M30938.1	6.0E-70 AF154121.1	7662307	7662307 NT	5.0E-70 BE166034.1	4.0E-70 T06037.1	4.0E-70 AW793226.1	4.0E-70 AW793226.1	3.0E-70 BE071796.1	3.0E-70 BE071796.1	3.0E-70 AJ271736.1	11430988 NT	11430988 NT	3.0E-70 A1831975.1	3.0E-70 BF685233.1	3.0E-70 BF685233.1	3.0E-70 BE502973.1	2.0E-70 AF012872.1	2.0E-70 N42161.1
Most Similar (Top) Hit BLAST E Value	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	7.0E-70	6.0E-70	6.0E-70	6.0E-70	5.0E-70	5.0E-70	5.0E-70	4.0E-70	4.0E-70	4.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	2.0E-70	
Expression Signal	0.53	0.85	0.85	1.77	1.77	237	2.37	2.51	2.29	2.0	1.78	1.78	5	1.03	1.84	1.84	1.7.1	1.71	1.11	0.59	0.59	1	1.69	1.69	0.62	1.03	15.24
ORF SEQ ID NO:	36480	37149	37150	38039	38040	38583	38584	27135	L	30747	28854	28855		33454			27853	27854	31357					33034	36955	26283	26923
Exan SEQ ID NO:	22897	23540	i I		24392	24885	24885	14070	15339	17765	15066	16066	25188	,		l	14771				18930	19248	19669	19669	23349	13277	13890
Probe SEQ ID NO:	9857	10505	10505	11329	11329	11897	11897	894	2205	4629	2618	2618	12247	6894	6933	6933	1619	1619	6270	5737	5737	9909	6503	6503	10314	39	707

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Top Hit Descriptor	W07a10.r1 Soares melanocyte 2NbHM Homo sapiens cDNA done IMAGE:270522 8' similar to SW:D3HI_RAT P28288 3-HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR;	qx51h01.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:20049133'	Homo sepiens hypothetical protein FLJ20768 (FLJ20758), mRNA	Homo sapiens KIAA0193 gene product (KIAA0193), mRNA	Homo sapiens KIAA0183 gene product (KIAA0193), mRNA	hz64c12x1 NCI_CGAP_Lu24 Hamo saplens cDNA clone IMAGE:32127583'	zp45N05.r1 Stratagene HeLa cell s3 937216 Homo saptens cDNA done (MAGE:612441 6' similar to TR:01041283 G1041293 D2085 5;	zp45h05.r1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:612441 5' similar to TR:G1041293 Q1041203 D2085.5;	Homo saplens chromosome 21 segment HS21C002	স্বধন্ধতুবিধ্যা Soares retina N254HR Homo sepiens CDNA clone IMAGE:380214 5' similar to SW:GAG_HTL1A P03345 GAG POLYPROTEIN ;	Novel human gene mapping to chomosome X	Human nonmuscle myosin heavy chain-B (MYH10) mRNA, partial cds	H. saplens gene for schwannomin (CSB)	H. saplens gene for schwannomin (CS8)	Homo saplens NALP1 mRNA, complete ods	Human mRNA for NF1 protein tsoform (neurofibromin tsoform), complete cds	Homo sepiens cytoplasmic dynein Intermediate chain 1 mRNA, complete cds	Homo saplens cytoplasmic dynein infermediate chain 1 mRNA, complete cds	Homo sapiens sialytransferase 6 (N-ecetyllacosaminde alpha 2,3-sialytransferase) (SIAT6), mRNA	Human guanine nucleotide-binding protein alpha-subunit gene (G-s-alpha), exons 4 and 5	Homo sapiens amylo-1,6-glucosidase, 4-aipha-glucanotransferase (glycogen debranching enzyme, glycogents	Storage disease type III) {A/SL), mKNA	yp79g02.r1 Soares fetal liver splean 1NFLS Homo sapiens cDNA clone IMAGE:193682 6'		Homo sapiens calcium-binding transporter mRNA, partial cds	Homo saplens hypothetical protein FLJ20450 (FLJ20450), mRNA		)) (EIF3S6) mRNA	Homo saplens low densily lipoprotein-related protein 2 (LRP2), mRNA
Top Hit Database Source	EST_HUMAN	EST_HUMAN				EST_HUMAN	EST_HUMAN	EST_HUMAN	-	EST_HUMAN	LN FN	NT		. LN		NT	LN	LN.		FZ.			T HUMAN		LN				
Top Hit Acession No.	2.0E-70 N42161.1	2.0E-70 AI246899.1	8923669 NT	7661983 NT	7681983 NT	2.0E-70 BE487311.1	2.0E-70 AA180093.1	2.0E-70 AA180093.1	2.0E-70 AL163202.2	2.0E-70 AA054010.1	2.0E-70 AL133207.2	2.0E-70 M69181.1		2.0E-70 X72662.1	2.0E-70 AF310105.1	2.0E-70 D12625.1	2.0E-70 AF123074.1	2.0E-70 AF123074.1	11422842 NT	2.0E-70 M21741.1		11423599INT	2.0E-70 H47959.1	11526365 NT	2.0E-70 AF123303.1	8923420 NT	8923420 NT	4503520 NT	11430480 NT
Most Similar (Top) Hit BLAST E Value	2.0E-70		2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70 X72662.1	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70		2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70	2.0E-70
Expression Signal	15.24	1.85	1.36	2.16	2.18	1.23	1.07	1.07	4.92	9.42	0.71	5.88	8.42	8.42	1.23	2.65	10.35	10.35	1.5	2.81		0.96	1.34	1.14	1.26	3.39	3.39	7.78	2.42
ORF SEQ ID NO:	26924	L	27269				27824	27925	28023		30078	30307		31902			L		31477	34704		35030				38031	38032	38628	
Exem SEQ ID NO:	13890	13905	14212	14372	14372	14504	14840	14840	14930	15625	17082	L	1	l	19504	_	19960	19960	18562	21185	ı			22445		24387	ı	₹ :	26439
Probe SEQ ID NO:	707	723	1046	1211	1211	-44-	1688	1688	1781	23.94	3923	4160	5632	5632	6333	6771	9089	9089	7136	8103		8417	8880	98370	10342	11324	11324	11940	12662

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Top Hit Descriptor	Homo sapiens low density (poprotein-related protein 2 (LRP2), mRNA	Homo sapiens transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamytransferase) (TGM3) mRNA	zh55g05,r1 Soareo fetal liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:416024 5	zv64c03,r1 Spares testis_NHT Homo saplans cDNA clone IMAGE:757444 5:	AV738538 CB Homo sapiens cDNA clone CBLBGB10 5	qe04f01.x1 Soares 1ests, NHT Homo saplens cDNA done IMAGE:1738009:3' similar to TR:014045 014045 PHOSPHOTRANSFERASE:	qe04f01x1 Soares Testis, NHT Homo sapiens cDNA done IMAGE:1738009 3' similar to TR:014045 014045 PHOSPHOTRANSFERASE ;	w652c05.x1 NCI_OGAP_GC8 Homo sepiens cDNA clone IMAGE:2309288 3' similar to TR:P97213 P97213 CDU2, CDU1, TCDD, TCDB, TCDE, TCDA, TCDC, CDD1, CDD2, CDD3, AND CDD4 GENES.;	wb52c05.x1 NCI_CGAP_GC8 Homo saptens cDNA clone IMAGE:2309288 3' similar to TR:P97213 P97218 CDU2, CDU1, TCDD, TCDB, TCDE, TCDA, TCDC, CDD1, CDD2, CDD3, AND CDD4 GENES.;	zp21d11.r1 Stratagene neuroepithelium (#937231) Homo sapiens cDNA clone IMAGE:610101 5' similar to TR:01143061 G1143061 STRAIN XA34 POL;	xx24d01.x1 Sceres, NFL_T_GBC_S1 Homo sepiens QDNA clone IMAGE:2814049 3' stmilar to TR:054730 O54730 TRANSPLANTABILITY ASSOCIATED PROTEIN 1;	zv60h06.r1 Soares_tests_NHT Homo sapiens cDNA clone IMAGE:758075 5	zj91a06.s1 Soares fetal liver spleen 1NFLS_S1 Homo sepiens cDNA clone IMAGE:462226 3'	Homo saplens chromosome 21 segment HS21C010	Homo seplens SP100-HMG nuclear autoantigen (SP100) mRNA, complete ods	QV4-ST0234-181199-037-105 ST0234 Homo saplens oDNA	Homo saptens cyclin-dependent kinase 6 (CDK6) mRNA	Homo saniens KlAA0623 dene emplue (XIAA0623) mRNA	Homo saplens protein kinasa C, beta 1 (PRKCB1), mRNA	Human neurofibromatosis protein type 1 mRNA, 3' end of cds	Homo sapiens MAGUK protein p55T; Protein Associated with Lins 2 (LOC51678), mRNA	Homo sapiens transcription factor WSTF mRNA, complete ods	Homo sapiens nuclear factor related to kappa B binding protein (NFRKB) mRNA	Homo sapiens nuclear factor related to kappa B binding protein (NFRKB) mRNA	Human PreA4 gene for Alzheimer's disease A4 amylold prolein precursor (exon 2)	Human arrestin (SAG) gene exon 8
Top Hit Dafabase Source	FN	F	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	TN	LN	EST_HUMAN	Ł	2 2	LZ.	L	LN	NT	NT	Ę	Ę	NT
Top Hit Acession No.	11430460 NT	4507476 NT	1.0E-70 W85795.1	1.0E-70 AA442292.1	1.0E-70/AV738538.1	9.0E-71 A1143870.1	9.DE-71 A1143870.1	9.0E-71 Al654903.1	9.0E-71 AI854903.1	8.0E-71 AA171451.1	8.0E-71 AW 273820.1	7.0E-71 AA442230.1	7.0E-71 AA705457.1	7.0E-71 AL163210.2	5.0E-71 AF056322.1	AW818405.1	4502740INT	7882209 NT	11431590 NT	138106.1	11626445 NT	5.0E-71 AF072810.1	5453777 NT	5453777		
Most Similar (Top) Hit BLAST E Value	2.0E-70	1.0E-70	1.0E-70	1.0E-70	1.0E-70/	9.0E-71	9.DE-71	9.0E-71	9.0E-71	8.0E-71	8.0E-71	7,0E-71	7.0E-71	7.0E-71	5.0E-71		5.05-71	5.0E-71	5.0E-71	5.0E-71 M38108.1	5.0E-71	5.0E-71	5.0E-71	5.0E-71	5.0E-71 X13467.1	6.0E-71 U7096B.1
Expression Signal	2.42	3.72	0.64	0.88	7.61	6.03	6.03	2.05	3.47	2.88	0.68	7.86	1.34	2.2	7.11	1.18	1.59	70 0	0.82	1.79	8.0	20.85	0.56	0.56	2.06	0.49
ORF SEQ ID NO:	32051			-	37877	32573	32574	33751	33751		37484	34081	35491	38353	28548	30371	32508	33528	33836	34225	34442	34471	35335	35336		37124
Exan SEQ ID NO:	25439	16647	22537	23041	24244	19247	19247	20308	20308	22346	23861	20605	21856	24665	15416	17382	19187	20113	ı	1	20936	20063	21800	[ ]	1	23511
Probe SEQ ID NO:	12662	3480	9480	10003	11176	9909	6065	7175	11813	9270	10828	7633	8877	11614	2284	4235	6002	20807	7296	7679	7884	7912	8720	8720	10115	10476

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					ective										ta PTR5	T		1		S	ir gene	ar gene	NAN.	ns cDNA	13 cDNA	Tana.
	Top Hit Descriptor	Homo saplens IGF-II mRNA-binding protein 3 (KOC1), mRNA	Homo sapiens similar to transcription factor CA150 (H. sapiens) (LOC63170), mRNA	Homo capiens similar to transcription factor CA150 (H. sapiens) (LOC63170), mRNA	Homo saplens pro-platelet basic protein (includes platelet basic protein, bata-thromboglobulin, connective	ussuc-acutyantig populod III, itedutopiireatuvaliig populod (j. 1 Dr.), IIIIAMA Homo sanjens similar in incorbatical protein El 190463 (H. canjens) (I. OCR3325) mRNA	Homo sepiens RNA binding motif protein 9 (RBM9), mRNA	Homo saplens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10) mRNA	Equus caballus giyceraldehyde-3-phosphate dehydrogenase mRNA, partial cds	Equus caballus glyceraldehyde-3-phosphate dehydrogenase mRNA, partial cds	Homo sapiens plasminogen (PLG) mRNA	Homo sepiens SP100-HMO nuclear autoantigen (SP100) mRNA, complete cds	Homo sapiens putative heme-binding protein (SOUL), mRNA	AU135734 PLACÉ1 Homo sapiens cDNA clone PLACE1002775 5'	ni45h10.s1 NCI_CGAP_Pr4 Homo septens cDNA clone IMAGE:1043683 similar to contains PTR5.t3 PTR5	Homo sariens obtained 21 segment HS24C008	Human mRNA for KIAA0272 gene, partial cds	Human mRNA for KIAA0272 gene, partial cds	DKFZp434D1721_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434D1721 5'	7785611x1 NCI_CGAP_Ov18 Homo septens cDNA clone IMAGE:3971221 3' similer to TR:Q92163 Q92165 PUTATIVE FOUR REPEAT ION CHANNEL.;	Homo sapiens short chain L-3-hydroxyacyl-CoA dehydrogenase precursor (HADHSC) gene, nuclear gene encoding mitochondrial protein, complete cds	Homo eapiens short chain L-3-hydroxyezyl-CoA dehydrogenase precursor (HADHSC) gene, nuclear gene encoding mitochondrial protein, complete cds	bb81a08.y1 NIH_MGC_10 Hamo septiens cDNA olone IMAGE:3048754 6' similar to SW:R23B_HUMAN P54727 UV EXCISION REPAIR PROTEIN PROTEIN RAD23 HOMOLOG B;	Tmul022 Human Epidermal Keratinocyte Subtraction Library- Upregulated Transcripts Homo sapiens cDNA similar to gi 6598861	Tmul022 Human Epidermal Keratinocyte Subtraction Library- Upregulated Transcripts Homo septens cDNA	Similar to gi 6598881
	Top Hit Detabase Source													EST_HUMAN AU13	CCT LIMAN report	200			THUMAN	$\overline{}$			T HUMAN			EST HUMAN Ismik
9 (6:1)	Top Hit Acession No.	5729900 NT	11417012 NT	11417012 NT	2 A D T C C A A A T C C C C C C C C C C C C C	14438314 NT	11418039 NT	4507592 NT	4.0E-71 AF157626.1 NT	4.0E-71 AF157626.1 NT	4506880 NT	4.0E-71 AF058322.1 NT	7857602 NT	3.0E-71 AU135734.1 ES	2002-1-1000-1-100	T			-	·	2.0E-71 AF095703.1	2.0E-71 AF095703.1 NT				2.0E-71 BF149173,1   ES
	Most Similar (Top) Hit BLAST E Value	5.0E-71	5.0E-71	5.0E-71	100	3.0E-71	5.0E-71	4.0E-71	4.0E-71	4.0E-71	4.0E-71	4.0E-71	4.0E-71	3.0E-71	200 24	2.0E 34	2 0E-71	20E-71	2.0E-71	2.0E-71	2.0E-71	2.0E-71	2.0E-71	2.0E-71		2.0E-71
	Expression Signal	1.45	1.53	1.53	20 0	3.03	1.75	1.84	31.91	31.91	1.67	1.97	4.58	1.13	000	20.0	7.23	7.23	0.71	0.5	2.12	2.12	4.37	1.46		1.46
	ORF SEQ ID NO:	37584	37660	37661	92020	37,330	200	26370	26601	26602	29141	30667	31200		27270	27.040	31614	31615	31489	35826	37467	37468	37647	38545		38546
	Exon SEQ ID NO:	1	24026	1	1	24530	1	13342	۱ ۱		1	1	18229	21305	24040	4448	1	1	١.	22285	23846	23846	24015	24848	1	24848
	Probe SEQ ID NO:	10870	10943	10943	90077	11220	12558	106	360	360	2951	4548	5101	8223	7,000	4080	5435	5435	7107	9207	10813	10813	10933	11860		11860

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Top Hit Descriptor	oy75e03.s1 Scares_senescent_fibroblaste_NbHSF Homo sapiens cDNA clone IMAGE:1665916 3' similar to contains LOR1.b2 LOR1 repetitive element;	Homo sapiens neuronal cell death-related protein (LOC\$1616), mRNA	Hamo sapiens disabled-2 gene, exons 2 through 15 and complete cde	Homo sapiens phosphatidylinositol 4-kinase 230 (pl4K230) mRNA, complete cds	Homo sapiens PMS2L18 mRNA, partial cds	Homo sapiens PMS2L16 mRNA, partial cds	Homo saplens hairy/enhancer-cf-split related with YRPW motif-like (HEYL), mRNA	Homo sapiens inorganic pyrophosphatase mRNA, complete cds	Homo sapiens SNARE protein kinase SNAK mRNA, complete cds	Homo sapiens SNARE protein kinase SNAK mRNA, complete cds	02_15 Human Epidermal Keratinocyte Subtraction Library. Upregulated Transcripts Homo sapiene cDNA clans 02-15 ff similar to Homo carriens channesona 19	ODDIECTOR OF THE STATE OF THE S	V∠_13 human Epidemai Keradnocyje Subiracuon Library. Opregulated i ranscripts homo sapitalis CUNA. Icione 02_15 5' similar to Homo sapitens chromosome 19	Homo saplens attractin precursor (ATRN) gene, exon 19	Human mRNA for KIAA0045 gene, complete cde	Homo sapiens GCN5 (general control of amino-acid synthests, yeast, homolog)-like 2 (GCN5L2), mRNA	Homo sapiens mRNA for KIAA0559 protein, partial cds	Homo sapiens CAGL79 mRNA, partial cds	Homo saplens glypican-6 (GPC6) mRNA, complete cds	Homo sapiens myornesin (M-protein) 2 (165kD) (MYOM2), mRNA	Homo sapiens hypothetical protein FLJ10998 (FLJ10998), mRNA	Homo sapians hypothetical protein FLJ 10998 (FLJ 10998), mRNA	CSNK2A1=casein kinase [/ (CKII) subunit alpha [human, Genomic, 18862 nt]	Homo saplens cytochroms c oxidase subunit VIIa-related protein gene, complete cds	AV761217 MDS Homo sapiens cDNA clone MDSEJAGS 5'	Homo sapiens activated leucocyte cell adhesion molecule (ALCAM), mRNA	AV761217 MDS Homo sapiens cDNA clone MDSEIA03 5'	Homo sapiens coagulation factor XIII, A1 polypaptide (F13A1), mRNA	Homo sapiens leucy/cystiny/ aminopeptidase (LNPEP), mRNA	Homo saplens leucy//cystiny/ aminopeptidase (LNPEP), mRNA	Homo sapiens gene for AF-8, complete cds
Top Hit Database Source	EST HUMAN	۲	NT	۲N	LN.	LZ	LN	F	LZ.	N	IN TOU	Т	EST HUMAN		LN	ŁZ	NT	LZ	NT	LN	ΝT	⊢N	NT	N	EST_HUMAN	LN	EST_HUMAN	LZ	LN	FZ.	LN
Top Hit Acession No.	1.0E-71 AI077927.1	7706281 NT	1.0E-71 AF205890.1	1.0E-71 AF012872.1	1.0E-71 AB017007.1	1.0E-71 AB017007.1	7657153 NT	1.0E-71 AF119665.1	1.0E-71 AF246219.1	1.0E-71 AF246219.1	AE 74 DE 422880 4	DE 122030. I	1.0E-71 BE122850.1	Γ		1142B182/NT	1.0E-71 AB011131.1	1.0E-71 U80753.1	1.0E-71 AF105267.1	11425430 NT	8922811 NT	8922811 NT	\$72393.1	1.0E-71 AY007643.1	1.0E-71 AV761217.1	11433142 NT	1.0E-71 AV761217.1	11418903 NT	11417191 NT	7191	1.0E-71 AB011399.1
Most Similar (Top) Hit BLAST E Value	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	10.1	1.05-7	1.0E-71	1.0E-71	1.0E-71	1.05-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1,0E-71	1.05-71	1.06-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.0E-71	1.05-71	1.0E-71	1.0E-71
Expression Signal	1.55	1.38	13.07	11.13	1.52	1.52	90'9	1.56	6.57	6.57	6	e:o	0.9	2.2	2.13	1.48	1.49	12.52	0.82	2.21	4.23	4.23	0.68	6.22	2.74	76.0	2.49	3.31	3.2	3.2	10.17
ORF SEQ ID NO:	26868	27198	27344	27600	28408	28409	28982			29856	1		29903	L	30712				L	34965			L		1	37411		37824		38139	
Exan SEQ ID NO:	13841	14137	14289	_		15283		l	l	16848	1	1	16899	1	1	1	ĺ	ı	ŧ	l	l	•	ì	ŀ	23308	1.	L	L	1	1	25471
Probe SEQ ID NO:	999	964	1124	1371	2147	2147	2757	3280	3685	3685	2720	90,70	3738	3835	4593	6881	7235	7484	8340	8362	8641	8641	9429	10211	10273	10750	11024	11121	11413	11413	12709

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Top Hit Descriptor	wk95g03.x1 NCI_CGAP_Lu19 Homo sapiens dDNA clone IMAGE:2423188 3' similar to TR:086705 036706 HYPOTHETICAL 38.6 KD PROTEIN ; contains Alu repetitive element;	wkp5gp3.x1 NCI_CGAP_Lu19 Hamo saplens cDNA clone IMAQE:2422188 3' aimilar to TR:088705 088706 HYPOTHETICAL 38.6 KD PROTEIN ; contains Alu repetitive element;	801458747F1 NIH_MGC_66 Homo saplens cDNA clone IMAGE:3862451 5'	Homo sapiens aconitase 2, mitochondrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	Homo sapiens econitase 2, mitochondrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	Homo saplens oconitase 2, mitochondrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	fpseudogene) PTMAP2=prothymosin alpha [human, Genomic, 1192 nt, segment 2 of 3]	HSPD13670 HM3 Homo sepiens qDNA done \$4000051 G02	Homo sapiens chromosome 21 segment HS210046	QV0-CS0010-150900-398-e11 CS0010 Homo sapiens cDNA	QV0-CS0010-150900-398-e11 CS0010 Homo saplens cDNA	QV0-CS0010-150900-398-e11 CS0010 Homo sepiens cDNA	QV0-CS0010-150600-398-e11 CS0010 Homo saplens cDNA	Homo sapiens siphe-tubulin mRNA, complete cds	AU128584 NT2RP2 Homo sapiens cDNA clone NT2RP2003751 5'	au80c03.y1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2782564 5' similar to TR.099765 Q99785 HYPOTHETICAL 32.4 KD PROTEIN ; contains element MSR1 repetitive element ;	AV724632 HTB Homo sapiens cDNA clone HTBAKB01 5'	MR4-BT0598-010600-005-d05 BT0598 Homo sapiens cDNA	MR4-BT0598-010600-005-005 BT0598 Homo septens cDNA	be08g08.y1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:2823806 5	ba08g08.y1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2823806 5'	QV/1-BT0632-280800-342-a10 BT0632 Homo sapiens cDNA	Homo sapiens hypothetical protein dJ1057B20.2 (DJ1057B20.2), mRNA	Homo sapiens zinc finger protein ZFP-96 (ZFP95) mRNA, alternatively spliced, complete cds	yd9a01.r1 Soares fetal liver spleen 10FLS Homo sapiens cDNA clone IVAGE:115752 5' similar to SP:A44282 A44282 AETROVIRUS-RELATED POL POLYPROTEIN - HUMAN ;	Homo sapiens hect domain and RLD 2 (HERC2), mRNA
Top Hit Database Source	EST_HUMAN	EST HUMAN	EST_HUMAN	ΝŢ	Ν	NT	-N	EST_HUMAN	L	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	LA	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	۲	LN	EST_HUMAN	6729867 NT
Top Hit Acession No.	9.0E-72 AI857635.1	9.0E-72 AI857635.1	8.0E-72 BF035752.1	4501888 NT	4501868 NT	4501866 NT	7.0E-72 S41694.1	7.0E-72 F26269.1	6.0E-72 AL163246.2	5.0E-72 BF333707.1	5.0E-72 BF333707.1	6.0E-72 BF333707.1	6.0E-72 BF333707.1	5.0E-72 L11645.1	5.0E-72 AU128584.1	5.0E-72 AW161274.1	5.0E-72 AV724832.1	5.0E-72 BF331571.1		5.0E-72 BE208545.1	5.0E-72 BE208545.1	5.0E-72 BE926645.1	11034844 NT	4.0E-72 AF170025.1	4.0E-72 T87947.1	6729867
Most Similar (Top) Hit BLAST E Value	9.0E-72	9.0E-72	8.0E-72	7.0E-72	7.0E-72	7.0E-72	7.0E-72	7.0E-72	6.0E-72	5.0E-72	5.0E-72	5.0E-72	5.0E-72	5.0E-72	6.0E-72	5.0E-72	5.0E-72			5,0E-72	5.0E-72	5.0E-72	4.0E-72	4.0E-72	4.0E-72	4.0E-72
Expression Signel	0.77	0.77	0.88	1.75	1.76	1.75	e	1.53	5.7	1.19	1.19	3.1	3.1	2.31	1.62	4.16	17.0	2.95	2.95	1.65	1.55	2.40	0.91	0.68	0.85	3.28
ORF SEQ ID NO:	26854		32760	30361	30362	29202	33811				26325		26325		33607	36998	36797	38252		38633	38634			31821	33236	
Exen SEQ ID NO:	13615	13815	19412	17375	17375	17375	١	l '	1 1		13302			14326	20183	22055	23203	24575			24931	28136		18778	19845	1
Probe SEO ID NO:	420	420	6237	4228	4228	4228	7274	12857	8578	2	8	99	92	1162	2089	8976	10168	11519	11519	11945	11945	12390	4943	5581	9687	7587

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	1								_						7	.1Em	- 11	-	-	<del>11.11</del>	1.360	4 111		1	14	44 31 E	<b>F</b>
Top Hit Descriptor	Homo saplens hypothetical protein FLJ20758 (FLJ20758), mRNA	Homo sapiens SEC10 (S. cerevisíae)-like 1 (SEC10L1), mRNA	RC3-LT0023-200100-012-d11 LT0023 Hamo saplens cDNA	RC3-LT0023-200100-012-d11 LT0023 Homo sapiens cDNA	qh87c02.x1 Soares fetal liver spieen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1849730.3' similar to TR:Q14498 Q14498 SPLICING FACTOR, [1] contains Alu rapetitive element;contains element L1 repetitive	element;	aa23f09.st NCL_CGAP_GCB1 Homo sapiens cDNA done IMAGE:3141/21 3' similar to SW:CPTR_FLAPR P49131 CHLOROPLAST TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR:;	aa23705.s1 NCI_CGAP_GCB1 Homo septens cDNA clone IMAGE:814121 3' similer to SW:CPTR_FLAPR P49131 CHLOROPLAST TRIOSE PHOSPHATE TRANSLOCATOR PRECURSOR.;	yu28e03.rt Soares fetal liver spleen 1NFLS Homo sepiens cDNA clone IMAGE:235084 5'	Homo sapiens eukaryotic translation initiation factor 29, subunit 2 (bota, 39kD) (EIF2B2), mRNA	Homo sapiens eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD) (EIF2B2), mRNA	yd29d09.s1 Sogres fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:109649 3'	Homo sapiens WEE1 gene for protein kinase and partial ZNF143 gene for zinc finger transcription factor	Homo sapiens pre-B-cell cdony-enhancing (actor (PBEF) mRNA	ah63a06.s1 Soares_testis_NHT Homo sapiens cDNA clone 1310290 3′	Human chondroitin sulfato proteoglycan versican V0 spiloe-variant precursor peptide mRNA, complete cds	Human chondratin sulfate proteoglycan versioan V0 spilce-variant precursor peptide mRNA, complete cds	Human gamma-aminobutyric acid transaminase mRNA, pertial cds	Human gamma-aminobutyric acid transaminase mRNA, partial cds	TCAAP1E1252 Pediatric acute myelogenous leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo	Homo sapiens 969 kb config between AML1 and CBR1 on chromosome 21q22, segment 3/3	Homo saptens hypothetical protein FLJ20585 (FLJ20585), mRNA	TGR V deta 2.C apha = T-cell receptor deta and C alpha fusion gene (alternatively spliced, splice junction)	numan, precursor e-call line KE'n, IntkN Prandal, ZTI III	Homo sapiens hypothetical protein (FLJ11127), mRNA	Homo sapiens protein methyltransferase (JBP1) mRNA, complete cds	Homo saplens protein methytransferase (JBP1) mRNA, complete cds
Top Hit Database Source			EST_HUMAN	EST_HUMAN		EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	F		EST_HUMAN	LN.		EST HUMAN	N	Ę	N	Ę	ECT LINANN	Т	TN		Z	N	N	N
Top Hit Acession No.	FN 6923669 NJ	11434344 NT	4.0E-72 AW836230.1	4.0E-72 AW836230.1		4.0E-72 A1248796.1	4.0E-72 AA465388.1	4.0E-72 AA465388.1	179421.1	7657057 NT	T657067 NT	181910.1	4.0E-72 AJ277546.2	5031976 NT	3.0E-72 AA723823.1	116306.1	116306.1	3.0E-72 U80228.1	180226.1	0 0E 70 DE242484 4	3.0E-72 AJ229043.1	8923548INT		3.0E-72 S7/589.1	11416196 NT	3.0E-72 AF167572.1	3.0E-72 AF167572.1
Most Similar (Top) Hit BLAST E Value	4.0E-72	4.0E-72	4.0E-72	4.0E-72		4.0E-72	4.0E-72	4.0E-72	4.0E-72 H79421.	4.0E-72	4.0E-72	4.0E-72 T81910.1	4.0E-72	3.0E-72		3.0E-72 U16306.1	3.0E-72 U16306.1	3.0E-72	3.0E-72 U80228.1	- C - C - C - C - C - C - C - C - C - C	3.0E-72	3.0E-72		3.0E-72	3.0E-72	3.0E-72	3.0E-72
Expression Signal	0.87	0.57	0.54	0.54		1.04	1.67	1.57	8.28	2.19	2.19	1.67	11.86	2.0	1.48	6.32	6.32	3.98	3.98	9	12.72	27		2.51	3.17	1.25	1.26
ORF SEQ ID NO:	36618	36953	•	37246		37278	38298	1	38503				32003	26259		27398	27389	27440	27441		28331					31003	
Exan SEQ ID NO:	23026	L				23668	24618	1	24807			24961	26521	13269	14101	14343	14343	14381	14381	l	16319	ı	1		17802		18019
Probe SEQ JD NO:	2987	10312	10604	10604		10634	11563	11563	11818	11938	11938	11976	12779	21	926	1180	1180	1220	1220	7.07	3143	3352		3827	4667	4889	4889

Page 369 of 550 Table 4 Single Exon Probes Expressed in Placenta

Exon NOTE         ORF         SEQ Boxession (Top) Hit Top Hit Acession (Top) Hit Top Hit Top Hit Acession (Top) Hit Top Hit Acession (Top) Hit Top Hit Top Hit Acession (Top) Hit Top Hi								
18831         1.12         3.0E-72         4759083 NT           19281         32613         1.94         3.0E-72         AF073367.1         NT           19486         32823         4.53         3.0E-72         AB028004.1         NT           19468         32823         4.53         3.0E-72         AB028004.1         NT           19468         32823         4.53         3.0E-72         AB028004.1         NT           20407         3.0E-72         AB028004.1         NT         NT           21450         34973         5.42         3.0E-72         AB028004.1         NT           22680         37290         1.09         3.0E-72         AB041389.1         NT           22673         35924         0.64         2.0E-72         AB041389.1         NT           22675         31989         3.39         2.0E-72         AB78050.1         EST HUMAN           22677         31890         3.39         2.0E-72         AB46255.1         EST HUMAN           22677         31894         3.54         1.0E-72         AB46225.1         EST HUMAN           22877         32894         3.54         1.0E-72         AB46225.1         EST HUMAN	Probe SEG ID NO:		ORF SEO ID NO:		Most Similar (Top) Hit BLASTE Value	Top Hit Acession No.	Top Hit Database Source	. Top Hil Descriptor
19281         32613         1.94         3.0E-72 AF073367.1         NT           19281         32614         1.94         3.0E-72 AF073367.1         NT           19488         32822         4.53         3.0E-72 AB02004.1         NT           19468         32823         4.53         3.0E-72 AB02004.1         NT           19603         33286         4.1         3.0E-72 AB02004.1         NT           21450         33286         4.1         3.0E-72 AB02004.1         NT           21450         34973         5.42         3.0E-72 AB02004.1         NT           22680         34973         5.42         3.0E-72 AB02004.1         NT           22690         34973         5.42         3.0E-72 AB02004.1         NT           22650         34973         5.42         3.0E-72 AB011399.1         NT           22677         35924         0.64         2.0E-72 BF30860.1         EST HUMAN           22378         35924         0.64         2.0E-72 BF30860.1         EST HUMAN           22378         35924         0.64         2.0E-72 BF30860.1         EST HUMAN           226515         31999         3.39         2.0E-72 BF30860.1         EST HUMAN           26516	5637	18831		1.12	3.0E-72	4759093	NT	Horno sapiens semaphorin W (SEMAW) mRNA
19261         32614         1.94         3.0E-72 AF073367.1         NT           19468         32822         4.53         3.0E-72 AB028004.1         NT           196488         32823         4.53         3.0E-72 AB028004.1         NT           196488         33289         4.1         3.0E-72 AB028004.1         NT           20817         34307         2.01         3.0E-72 AB028004.1         NT           21450         34973         5.42         3.0E-72 B001739.1         NT           224670         34973         5.42         3.0E-72 B001739.1         NT           224670         34973         5.62         3.0E-72 B001739.1         NT           224670         34973         5.62         3.0E-72 B001739.1         NT           224671         35924         0.64         2.0E-72 B50860.1         EST HUMAN           22377         35924         0.64         2.0E-72 B708560.1         EST HUMAN           16277         35924         0.64         2.0E-72 B708560.1         EST HUMAN           16277         35284         3.34         1.0E-72 A789560.1         EST HUMAN           20870         34386         3.54         1.0E-72 A7849560.1         EST HUMAN	6101	19281	32613	1.94	3.0E-72		ΝŢ	Homo sepiens growth factor receptur-bound protein 10 (GRB10) gene, exon 5
19468         32622         4.63         3.0E-72 AB029004.1         NT           19468         32823         4.53         3.0E-72 AB029004.1         NT           19468         32823         4.53         3.0E-72 AB029004.1         NT           20817         34973         2.01         3.0E-72 AB029004.1         NT           21450         34973         5.42         3.0E-72 AB0017.1         NT           23650         37290         1.09         3.0E-72 AB017398.1         NT           22673         32016         2.18         3.0E-72 AB017398.1         NT           22373         35924         0.64         2.0E-72 AB017398.1         NT           22675         31999         3.39         2.0E-72 AA78927.1         EST HUMAN           22676         31999         3.39         2.0E-72 AA78927.1         MT           16677         26824         3.54         1.0E-72 AA78927.1         MT           16877         32329         1.22         1.0E-72 AA78927.1         MT           16877         33239         1.22         1.0E-72 AA78927.1         MT           26829         33319         1.28         1.0E-72 AA7894.1         EST HUMAN           20870	6101	19281	32614	1.94	3.0E-72		NT	Homo sapiens growth factor receptor-bound protein 10 (GRB10) gene, exon 5
19468         32923         4.53         3.0E-72         AB029004.1         NT           19603         33226         4.1         3.0E-72         4826987         NT           20817         342         3.0E-72         1080017.1         NT           21450         34973         5.42         3.0E-72         1080017.1         NT           23680         37280         1.09         3.0E-72         142507.1         NT           22673         32018         2.18         3.0E-72         142507.1         NT           22373         35924         0.64         2.0E-72         BF308860.1         EST_HUMAN           22373         35924         0.64         2.0E-72         BF308860.1         EST_HUMAN           226516         31999         3.39         2.0E-72         BF308860.1         EST_HUMAN           25517         31999         3.39         2.0E-72         BF308860.1         EST_HUMAN           16677         32894         3.54         1.0E-72         AR46225.1         EST_HUMAN           20870         34386         3.5         1.0E-72         AR46225.1         EST_HUMAN           20870         34386         3.5         1.0E-72         AF227	6295	1			3.0E-72		TN	Homo sapiens mRNA for KIAA1081 protein, partial cds
20817         3.0E-72         4826987 NT           20817         3.4307         2.01         3.0E-72         5.090017.1         NT           21450         3.4973         5.42         3.0E-72         5.090017.1         NT           21450         3.4973         5.42         3.0E-72         5.090017.1         NT           23680         3.7290         1.08         3.0E-72         88289.1         NT           22673         3.2016         2.18         3.0E-72         8801380.1         NT           22373         3.5924         0.64         2.0E-72         BF308560.1         EST_HUMAN           22675         3.1699         3.39         2.0E-72         AA58650.1         EST_HUMAN           22677         3.2894         8.14         1.0E-72         AA546225.1         EST_HUMAN           16877         3.2394         3.54         1.0E-72         AA546225.1         EST_HUMAN           16875         3.2394         3.54         1.0E-72         AA546225.1         EST_HUMAN           20870         3.4396         3.5         1.0E-72         AA546225.1         EST_HUMAN           20870         3.4396         3.5         1.0E-72         AA5673676         N	8285				3.0E-72		LN TA	Homo sapiens mRNA for KIAA1081 protein, partial cds
20817         34907         2.01         3.0E-72         U80017.1         NT           21450         34973         5.42         3.0E-72         U80017.1         NT           23680         37280         1.09         3.0E-72         X88288.1         NT           25433         32016         2.18         3.0E-72         X88288.1         NT           16261         3.2850         1.38         2.0E-72         BF308560.1         EST HUMAN           22373         35824         0.64         2.0E-72         BF308560.1         EST HUMAN           224057         37891         5.46         2.0E-72         BF308560.1         EST HUMAN           224057         37891         5.46         2.0E-72         BF308560.1         EST HUMAN           226715         31999         3.39         2.0E-72         BF308560.1         EST HUMAN           16277         26349         8.14         1.0E-72         BF308560.1         EST HUMAN           16877         32894         3.54         1.0E-72         AF486255.1         EST HUMAN           20870         34386         3.5         1.0E-72         AF787676         ITHUMAN           20870         34386         3.5	6747	1 1			3.0E-72	4826987	LN LN	Homo sapiens ribosomal protein L3-like (RPL3L) mRNA
24657 34973 5.4.7 2.0017.1 NT 22660 37280 1.09 3.0E-72 88289.1 NT 22660 37280 1.09 3.0E-72 88289.1 NT 22673 32018 2.08 7.2 88289.1 NT 22673 35924 0.64 2.0E-72 87898560.1 EST HUMAN 226373 35924 0.64 2.0E-72 87898560.1 EST HUMAN 226373 35924 0.64 2.0E-72 87898560.1 EST HUMAN 18075 32374 1.22 1.0E-72 AA789277.1 EST HUMAN 18075 32384 8.14 1.0E-72 AA486225.1 EST HUMAN 18075 32384 1.22 1.0E-72 AA486225.1 EST HUMAN 20870 34386 3.5 1.0E-72 BE17544.1 EST HUMAN 20870 34386 3.5 1.0E-72 BE17543.1 EST HUMAN 20870 34387 0.09 0.00 36408 7.37 1.0E-72 AA782742.1 EST HUMAN 16340 32687 0.09 0.00 36408 7.37 1.0E-73 AW374888.1 EST HUMAN 20870 34387 0.09 0.00 36408 7.37 1.0E-73 AW374888.1 EST HUMAN 16340 32687 0.09 0.00 36408 7.37 1.0E-73 AW374888.1 EST HUMAN 163408 NT 162408 NT 1625883 NT 14228 0.73 8.0E-73 AW074758.1 EST HUMAN 16328	1	ì			r F		,	Homo sapiens basic transcription factor 2 p44 (bif2p44) gene, partial cds, neuronal apoptosis inhibitory
22373 32890 1.38 2.0E-72 X88288.1 NT 22373 32680 1.38 2.0E-72 X88288.1 NT 22373 35623 0.04 2.0E-72 BF30860.1 EST HUMAN 22373 35624 0.64 2.0E-72 BF30860.1 EST HUMAN 22373 35624 0.64 2.0E-72 BF30860.1 EST HUMAN 22373 35624 0.64 2.0E-72 BF30860.1 EST HUMAN 25515 31999 3.39 2.0E-72 A789277.1 EST HUMAN 16277 26394 8.14 1.0E-72 A789277.1 EST HUMAN 16278 32384 3.39 2.0E-72 A789277.1 EST HUMAN 16847 33237 1.22 1.0E-72 A78918.1 EST HUMAN 20870 34386 3.5 1.0E-72 A751818.1 EST HUMAN 22880 36408 7.37 1.0E-73 AW374868.1 EST HUMAN 15340 32687 0.92 9.0E-73 AW374868.1 EST HUMAN 15340 32687 0.73 8.0E-73 AW374868.1 EST HUMAN 24282 2723 4.49 9.0E-73 AW374868.1 EST HUMAN 24282 27283 6.73 8.0E-73 AW374868.1 EST HUMAN 24282 27283 6.73 8.0E-73 AW374868.1 EST HUMAN 24282 27284 6.73 EE-73 AW374868.1 EST HUMAN 24282 27285 0.73 8.0E-73 AW374868.1 EST HUMAN 24282 27285 0.73 8.0E-73 AW374868.1 EST HUMAN	8 8	١			3.0E-72	000000	2 1	Journ (Tap) and survival motor metron procein (simp) genes, complete cas
25650         3720         1.09         3.0E-72 X9289.1         NT           19261         32660         1.38         2.0E-72 AB011398.1         NT           22373         35924         0.64         2.0E-72 BF308560.1         EST HUMAN           22373         35924         0.64         2.0E-72 BF308560.1         EST HUMAN           22515         31999         3.39         2.0E-72 AA789277.1         EST HUMAN           16273         28394         8.14         1.0E-72 AA789277.1         EST HUMAN           16273         28394         3.54         1.0E-72 AA789277.1         EST HUMAN           16273         28394         3.54         1.0E-72 AA789277.1         EST HUMAN           16847         33239         1.22         1.0E-72 AA7818.1         EST HUMAN           20870         34386         3.54         1.0E-72 AA7818.1         EST HUMAN           20870         34386         3.5         1.0E-72 BE175434.1         EST HUMAN           20870         34386         3.5         1.0E-72 BE175434.1         EST HUMAN           22830         36408         7.37         1.0E-72 AA7818.1         NT           44641         27723         1.17         1.0E-72 AA7818.1         NT </td <td>Ross</td> <td>21450</td> <td>34973</td> <td></td> <td>3.0E-/2</td> <td>5031892</td> <td></td> <td>Homo sapiens nuclear receptor subtarning 1, group H, member 3 (NK1H3), mKNA</td>	Ross	21450	34973		3.0E-/2	5031892		Homo sapiens nuclear receptor subtarning 1, group H, member 3 (NK1H3), mKNA
25453         32018         2.18         3.0E-72 AB011396.1         NT           18261         32690         1.38         2.0E-72 BF308560.1         11425071 NT           22373         35924         0.64         2.0E-72 BF308560.1         EST_HUMAN           24057         37691         6.46         2.0E-72 BF308560.1         EST_HUMAN           25573         35924         0.64         2.0E-72 BF30850.1         EST_HUMAN           26515         31698         3.39         2.0E-72 AAF46225.1         EST_HUMAN           16675         3234         8.14         1.0E-72 AAB46225.1         EST_HUMAN           16847         33237         1.22         1.0E-72 AAB46225.1         EST_HUMAN           20870         34386         3.54         1.0E-72 AAB46225.1         EST_HUMAN           20870         34386         3.5         1.0E-72 AAF61818.1         EST_HUMAN           20870         34386         3.5         1.0E-72 BE175434.1         EST_HUMAN           22830         36408         7.37         1.0E-72 BE175434.1         EST_HUMAN           22830         36408         7.37         1.0E-72 AF22742.1         NT           44341         27723         1.17         B.0E-73 AW374898.1 <td>10846</td> <td>23680</td> <td>37290</td> <td></td> <td>3.0E-72</td> <td>1</td> <td></td> <td>Homo sapiens S100A12 gene for Calgranulin C, exon 2 end joined cds</td>	10846	23680	37290		3.0E-72	1		Homo sapiens S100A12 gene for Calgranulin C, exon 2 end joined cds
22373 32690 1.38 2.0E-72 11429571 NT 22373 35622 0.64 2.0E-72 BF308960.1 EST HUMAN 22373 35924 0.64 2.0E-72 BF308960.1 EST HUMAN 1E573 22894 8.14 1.0E-72 AAF89277.1 EST HUMAN 1E673 32284 3.54 1.0E-72 AAF8225.1 EST HUMAN 1E673 33238 1.22 1.0E-72 AAF8225.1 EST HUMAN 20370 34396 3.5 1.0E-72 AAF8225.1 EST HUMAN 20370 34396 3.5 1.0E-72 AAF8141 EST HUMAN 22830 36408 7.37 1.0E-72 BE17543.1 EST HUMAN 22830 36408 7.37 1.0E-72 BE17543.1 EST HUMAN 22830 36408 7.37 1.0E-73 AW374888.1 EST HUMAN 15634 27723 1.17 8.0E-73 AW374888.1 EST HUMAN 15636 0.73 8.0E-73 AW374585.1 EST HUMAN 15636	12678	25453	32018		3.0E-72			domo sepiens gene for AF-6, complete cds
22373         35823         0.64         2.0E-72 BF308960.1         EST HUMAN           22373         35924         0.64         2.0E-72 BF30860.1         EST HUMAN           226515         31999         3.39         2.0E-72 AA789277.1         EST HUMAN           16273         28934         8.14         1.0E-72 AA46225.1         EST HUMAN           16075         32394         3.54         1.0E-72 AA46225.1         EST HUMAN           19847         33237         1.22         1.0E-72 AA7892714.1         INT           20870         34386         3.5         1.0E-72 AA761818.1         EST HUMAN           20870         34386         3.5         1.0E-72 BE175434.1         EST HUMAN           22830         34357         3.5         1.0E-72 BE175434.1         EST HUMAN           22830         34357         3.5         1.0E-72 BE175434.1         EST HUMAN           22830         36408         7.37         1.0E-72 BE175434.1         EST HUMAN           22830         36408         7.37         1.0E-72 AF222742.1         NT           4441         27723         1.17         8.0E-73 AW374883.1         EST HUMAN           24202         24.49         9.0E-73 AW374883.1         EST HUMAN<	6209		32690	1.38	2.0E-72			Homo saplens solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 (SLC13A2), mRNA mRNA
22373         35924         0.64         2.0E-72         BF308560.1         EST_HUMAN           24057         37891         6.46         2.0E-72         AA78527.1         EST_HUMAN           16273         28894         8.14         1.0E-72         AA846225.1         EST_HUMAN           16075         32384         3.54         1.0E-72         AA846225.1         EST_HUMAN           16847         33287         1.22         1.0E-72         AA846225.1         EST_HUMAN           26830         33287         1.22         1.0E-72         AA767676         NT           26837         34386         3.5         1.0E-72         BE176434.1         EST_HUMAN           20870         34386         3.5         1.0E-72         BE176434.1         EST_HUMAN           22830         3408         3.5         1.0E-72         BE176434.1         EST_HUMAN           22830         3640B         7.37         1.0E-72         BE176434.1         EST_HUMAN           14641         27723         1.17         1.0E-72         AF222742.1         NT           14641         27723         1.17         1.0E-72         AF222742.1         NT           24267         24.49         9	9297	1			2.0E-72		T HUMAN	601890419F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:4131461 5'
24057         37691         6.46         2.0E-72 AA789277.1         EST HUMAN           22516         31999         3.39         2.0E-72 AF18274.1         IT           16273         28394         8.14         1.0E-72 AA8462214.1         EST HUMAN           16975         32384         3.54         1.0E-72 AA8462217.1         EST HUMAN           19847         33237         1.22         1.0E-72 AA846218.1         EST HUMAN           26832         33319         1.22         1.0E-72 AT761818.1         EST HUMAN           20870         34386         3.5         1.0E-72 BE17543.1         EST HUMAN           20870         34387         3.5         1.0E-72 BE17543.1         EST HUMAN           22830         36409         7.37         1.0E-72 BE17543.1         IST HUMAN           22830         36409         7.37         1.0E-72 BE17543.1         IST HUMAN           22830         36409         7.37         1.0E-72 AF22742.1         INT           14641         27723         1.17         9.0E-73 AW374888.1         EST HUMAN           24292         27.36         0.92         9.0E-73 AW374888.1         EST HUMAN           14228         27.286         0.73         8.0E-73 AW37458.1	9297	22373			2.0E-72		Г	601890419F1 NIH_MGC_17 Homo sapiens cDNA clane IMAGE:4131461 5'
26515         31996         3.39         2.0E-72 AAF182714.1         NT           16273         26394         8.14         1.0E-72 AA846225.1         EST HUMAN           16947         32384         3.34         1.0E-72 TOE-72 T	10978	1	37691	5.46	2.0E-72			ej28b09.s1 Soares_teste. NHT Homo sapiens cDNA clone 1391609.3' similar to gb:X02067 H.sapiens mRNA for 7SL RNA pseudogene (HUMAN);
16273         28394         8.14         1.0E-72         AA946225.1         EST HUMAN           18075         32384         3.54         1.0E-72         7657676         NT           18647         33237         1.22         1.0E-72         11321578         NT           19847         33238         1.22         1.0E-72         11321578         NT           20870         34386         3.6         1.0E-72         NT51518         NT           20870         34386         3.6         1.0E-72         NT51518         NT           20870         34386         3.6         1.0E-72         NT51518         NT           22830         34387         3.6         1.0E-72         NT51518         NT           22830         36408         7.37         1.0E-72         NT         NT           4641         27723         1.17         9.0E-73         AW374968.1         NT           16340         32687         0.92         9.0E-73         AW374968.1         ST         HUMAN           24282         24.49         9.0E-73         AW374968.1         EST HUMAN         R         AM374968.1         EST HUMAN	12772	25515		3.39	2.0E-72			Rettus novegicus putative phosphate/phosphoenolpyruvate translocator mRNA, complete cds
16075         32394         3.54         1.0E-72         7657676 NT           16847         33237         1.22         1.0E-72         11321578 NT           16847         33238         1.22         1.0E-72         11321578 NT           26837         33319         1.22         1.0E-72         11321578 NT           20870         34389         3.5         1.0E-72 BE175434.1         EST HUMAN           20870         34367         3.6         1.0E-72 BE175434.1         EST HUMAN           22830         36408         7.37         1.0E-72 BE175434.1         EST HUMAN           14341         27723         1.17         9.0E-73 AF222742.1         NT           15340         32687         0.9         3.0E-73 AW374968.1         EST HUMAN           15340         32687         0.9         9.0E-73 AW374968.1         EST HUMAN           14228         27.28         0.9         9.0E-73 AW374968.1         EST HUMAN           14228         27.28         0.73 B.0E-73 AW074755.1         EST HUMAN	2137	15273	28394	8.14	1.0E-72		HUMAN	al83d02.s1 Soares_parafhyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:1387395 3'
16847         33237         1.22         1.0E-72         11321678 NT           19847         33238         1.22         1.0E-72         11321678 NT           26832         33319         1.25         1.0E-72         AV781818.1         EST HUMAN           20870         34386         3.5         1.0E-72 BE175434.1         EST HUMAN           20830         36408         7.37         1.0E-72 BE175434.1         EST HUMAN           22830         36408         7.37         1.0E-72 BE175434.1         EST HUMAN           14641         27723         1.17         9.0E-73 AF222742.1         NT           16340         32687         0.92         9.0E-73 AW374988.1         EST HUMAN           14228         27285         0.73         8.0E-73 AW374988.1         EST HUMAN	5887	19075		3.54	1.0E-72	7657676		Homo sapiens vacuolar protein sorting 41 (yeast homolog) (VPS41), mRNA
19847         33238         1.22         1.0E-72         1.10E-72         1.10E-	6889	19847	33237		1.0E-72			Homo sapiens myosin, heavy polypeptide 13, skeletal muscle (MYH13), mRNA
26832         33316         1.29         1.0E-72         AV751818.1         EST HUMAN           20870         34386         3.5         1.0E-72         BE17549.1         EST HUMAN           22830         34387         3.5         1.0E-72         BE17543.1         EST HUMAN           22830         36408         7.37         1.0E-72         AF22742.1         NT           14641         27723         1.17         9.0E-73         AW374888.1         EST HUMAN           15340         32687         0.92         9.0E-73         AW374888.1         EST HUMAN           24262         24.49         9.0E-73         11525883         NT           24262         27.38         0.73         8.0E-73         AW071755.1         EST HUMAN	6689	19847			1.0E-72	11321578		Homo sapiens myosin, heavy polypeptide 13, skeletal muscle (MYH13), mRNA
20870         34386         3.6         1.0E-72 BE175434.1         EST_HUMAN           20870         34387         3.6         1.0E-72 BE175434.1         EST_HUMAN           22830         36408         7.37         1.0E-72 BE175424.1         INT           22830         36408         7.37         1.0E-72 AF222742.1         INT           14641         27723         1.17         9.0E-73 AW374968.1         IST_HUMAN           16340         32687         0.92         9.0E-73 AW374968.1         EST_HUMAN           14228         2728         24.49         9.0E-73 AW374968.1         EST_HUMAN           14228         2728         0.73         8.0E-73 AW071755.1         EST_HUMAN	6929	1			1.0E-72			AV761818 NPD Homo sepiens cDNA clone NPDAIE115
20870         34367         3.6         1.0E-72 BE176434.1         EST_HUMAN           22830         36408         7.37         1.0E-72 AF22742.1         NT           14641         27723         1.17         10E-73 AW374968.1         EST_HUMAN           15340         32687         0.92         9.0E-73 AW374968.1         EST_HUMAN           24262         24.49         9.0E-73 AW374968.1         T1           24262         27.23         1.17 BE1740408         NT           24262         27.286         0.73 B.0E-73 AW071755.1         EST_HUMAN	7815				1.0E-72			RC4-HT0578-170300-012-902 HT0578 Homo saplens cDNA
22830         36408         7.37         1.0E-72 AF222742.1         NT           22830         36409         7.37         1.0E-72 AF222742.1         NT           14641         27723         1.17         9.0E-73 AW374968.1         EST HUMAN           16340         32687         0.92         9.0E-73 AW374968.1         EST HUMAN           24262         24.49         9.0E-73 T1424099 NT         FST HUMAN           14228         27286         0.73 8.0E-73 AW074755.1         FST HUMAN	7815	1	34367	3.5	1.0E-72			RC4-HT0578-170300-012-g02 HT0578 Homo saplens cDNA
22830         36409         7.37         1.0E-72 AF222742.1         NT           14641         27723         1.17         9.0E-73 AW374968.1         EST_HUMAN           16340         32687         0.92         9.0E-73 AW374968.1         I.1525883 NT           24262         24.49         9.0E-73 H1424099 NT         I.1424099 NT           14228         27286         0.73 8.0E-73 AW071755.1         EST HUMAN	9790	22830	36408		1.0E-72		Ĺ	Homo sepiens syneptic glycoprotein SC2 (SC2) mRNA, complete cds
19340 27723 1.17 9.0E-73 AW374968.1 EST_HUMAN 19340 32687 0.92 9.0E-73 11525883 NT 24262 27286 0.73 8.0E-73 AW071755.1 EST_HUMAN 14228	9790	22830	36409		1.0E-72			Homo saplens synaptic glycoprotein SC2 (SC2) mRNA, complete cds
19340 32687 0.92 9.0E-73 11525883 NT 24262 24.49 9.0E-73 11424089 NT 14228 27286 0.73 8.0E-73 AW071755.1 FEST HUMAN	1488	14641	27723		9.0E-73			WR0-CT0063-071099-002-h11 CT0063 Home sapiens cDNA
19340 32667 0.92 9.0E-73 11524883 N I 24262 24.49 9.0E-73 11424099 NT 14228 27286 0.73 8.0E-73 AW071755.1 FEST HUMAN	3	1						
4228 27286 0.73 8.0E-73 AW071755.1 FST HUMAN	44.04	1			9.0E-/3			Horifo septembrillorane protein, parmitoyates 3 (WASCON poo suoranny member 3) (MPTS), mRNA Horifo serviens ribosomel protein 1 43e (RPI 43A) mRNA
14228 27286 0.73 8.0E-73 AW071755.1 EST HUMAN	3	24506		24.43	3.05-73	20047411		This adjust incoming protein Library, illivier
	1063	14228	27286	0.73	8.0Ε-73		EST_HUMAN	ws55c06.X1 NCI_CGAP_Brn26 Homo sapiens cDNA clone IMAGE:2501098 3' similar to TR:Q59050 CG59050 HYPOTHETICAL PROTEIN MJ1656.;
6698         18892         32184         0.98         8.0E-73         4505798         NT         Homo sepiens phosphatidylinositoi 3-kinase, class 2, ap.	5698	1 !	32184		8.0E-73			Homo sepiens phosphatidylinositoi 3-kinase, class 2, alpha polypeptide (PIK3C2A) mRNA

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ſ		Т	Т	z -	ī	T	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	1	Τ,	- I	T	T	'sur	1	T	1-	1	Ť,	7		1	
	Top Hit Descriptor	Homo sapiens lysozyme homolog (LOC57151), mRNA	Homo sapiens vacuolar ATPase Isoform VA68 mRNA, complete cds	bb62a08.y1 NIH_MGC_9 Home sapiens cDNA clone IMAGE:3030034 5' similar to gb:X04098_cds1 ACTIN, CYTOPLASMIC 2 (HUMAN); db:M21495 Mouse cotoskeletel commessactin mRNA commisse cds (AAO) ISE).	Homo sapiens interieukin 12 receptor, beta 1 (IL12/81), mRNA	Homo sapiens interleukin 12 receptor, beta 1 (IL12RB1), mRNA	H.sapiens mRNA for WNT-8B protein	Homo saplens transition protein 1 (during histone to protamine replacement) (TNP1) mRNA	Homo sapiens brefeldin A-Inhibited guanine nucleotide-exchange protein 1 mRNA, complete cds	Homo sapiens DNA for Human P2XM, complete cds	Homo sapiens thyroid autoentigen 70kD (Ku antigen) (G22P1), mRNA	Homo sapiens hypothelical protein FLJ20309 (FLJ20309), mRNA	Homo saplens chromosome 21 segment HS21 C006	Homo saplens chromosome 21 segment HS21C082	Homo saplens chromosome 21 segment HS21C018	QV0-HT0494-020300-137-d03 HT0494 Homo saplens cDNA	Homo sapiens HELG protein (FAM4A1), mRNA	Homo saplens heme-binding protein (HEBP), mRNA	Homo sapiens heme-binding protein (HEBP), mRNA	ZD5504.c1 Stratagene fetal retina 937202 Homo sapiens cDNA cione IMAGE:395950 3' similar to gb:Z23084_ods1 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN G (HUMAN):	AV729428 HTC Homo sapiens cDNA clone HTCAAF071 5'	AV729428 HTC Homo sapiens cDNA clone HTCAAF071 5'	H.sapiens SH3GLP2 pseudogene, 5' end	RC6-HT0878-290600-013-H10 HT0878 Homo sapiens cDNA	RC6-HT0678-290600-013-H10 HT0678 Homo sapiens cDNA	out 1402.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1625955 3'	Homo saplens chranosane 21 segment HS21C046	RC3-NN0066-270400-011-c04 NN0066 Hamo sapiens oDNA	Homo saplens BASS1 (BASS1) mRNA, partial cds	RC3-NN0068-270400-011-c04 NN0066 Homo sapiens cDNA	Human beta globin region on chromosome 11	Homo sapiens caspase 8, apoptosis-related cysteine protease (CASPB) mRNA
	Top Hit Database Source	F	NT	EST HUMAN		F	NT	Ę	Z	IN	۲	۲N	LN	FN	FZ	EST_HUMAN	NT	N.	N	EST HUMAN	EST_HUMAN	EST_HUMAN	TN	EST_HUMAN	EST_HUMAN	HUMAN	INT	EST_HUMAN	INT	EST_HUMAN		LN
	Top Hit Acession No.	11426469 NT	8.0E-73 AF113129.1	8.0E-73 BE019900.1	11526037 NT	11626037 NT		4507628 NT	8.0E-73 AF084520.1	8.0E-73 AB002059.1	11418189 NT	R923290 NT	7.0E-73 AL163206.2	7.0E-73 AL163282.2	6.0E-73 AL163218.2	6.0E-73 BE166574.1	11422159 NT	11435913 NT	11436913 NT	3.0E-73 AA136403.1	3.0E-73 AV729428.1	3.0E-73 AV729428.1		3.0E-73 BE711238.1	3.0E-73 BE711238.1	3.0E-73 A1004040.1	3.0E-73 AL163246.2	3.0E-73 AW 898081.1		31.1		4502582 NT
	Most Similar (Top) Hit BLAST E Value	8.0E-73	8.0E-73	8.0E-73	8.0E-73	8.0E-73	8.0E-73 X91940.1	8.0E-73	8.0E-73	8.0E-73	8.0E-73	7.0E-73	7.0E-73	7.0E-73	6.0E-73	6.0E-73	4.0E-73	3.0E-73	3.0E-73	3.0E-73	3.0E-73	3.0E-73	3.0E-73 X99660.1	3.0E-73	3.0E-73	3.0E-73	3,0E-73	3.0E-73	2.0E-73	2.0E-73	2.0E-73 U01317.1	2.0E-73
	Expression Signel	6.29	2.1	4.35	1.76	1.76	0.51	0.47	1.49	1.2	4,55	1.61	0.7	129	3.04	3.42	2.05	1.34	1.34	0.73	0.73	0.73	1,45	1.41	1.41	1.82	3.04	2.05	1.57	9.67	1.49	2.03
	ORF SEQ ID NO:		34890	36188		36571	36770	37490	38690	32044	31986		29559			33867	31439	28165	28166	33398	35578	35579		37970	37971				27115			29440
	Exon SEQ ID NO:		21369	22618	22980	22980	23172		24986		25550		16545	18187	13387	20405		15054	15054	19990	22037		24010	24330								16423
	Probe SEQ ID NO:	6702	8287	9553	9941	9941	10134	10834	12001	12598	12842	1157	3373	5059	162	7323	5368	1911	1911	6837	8928	8958	10927	11261	11261	11910	13118	13122	874	2000	2371	3249

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					VIIGE	EXCIL PICUE	Single Exon Probes Expressed in Pracellia
Proba SEQ ID NO:	SEC ON OC.	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
3640	16804	29816	0.68	2.0E-73	TN 955997	L	Homo sapiens Parkinson disease (autosomal recessive, juvenile) 2, parkin (PARK2), transcript variant 3, mRNA
3640	16804	Ì.,		2.0E-73	TN 965997	Ę	Homo sapiens Parkinson disease (autosomal recessive, juverile) 2, parkin (PARK2), transcript variant 3, mRNA
4665	17693		1.31	2.0E-73	2.0E-73 AL163283.2	FZ	Homo sapiens chromosome 21 segment HS21C083
6867	19729	33106		2.0E-73	2.0E-73 AF086824.1	NT	Mus musculus rho/rac-interacting cltron kinase (Crik) mRNA, complete cds
6567	19729	33107	0.59	2.0E-73		NT	Mus musculus rho/rac-interacting cltron kinase (Crik) mRNA, complete cds
6610	19770	33160	5.46	2.0E-73	2.0E-73 AB046811.1	TN	Homo sapiens mRNA for KIAA1591 protein, partial cds
6839	19992	33400	1.87	2.0E-73	11431471	LN	Homo sepiens interieukin 4 receptor (IL4R), mRNA
6839	19992	33401	1.87	2.0E-73	11431471 NT	TN	Homo saplens Interleukin 4 receptor (IL4R), mRNA
7984	21033			2.0E-73	2.0E-73 M94048.1	TN	Human peripheral myelin protein 22 mRNA, complete cds
9732	22797	36370	0.54	2.0E-73	2.0E-73 AF198349.1	IN	Galtus gallus Dach2 protein (Dach2) mRNA, complete cds
9732	22797			2.0E-73	2.0E-73 AF198349.1	LΝ	Gallus gallus Dach2 protein (Dach2) mRNA, complete cds
10637	23871			2.0E-73	4504168 NT	LN	Homo sapiens glutathione synthetasa (GSS) mRNA
10715	23748	١.	1.38	2.0E-73	11496980 NT	NT	Homo sapiens supervilin (SVIL), transcript variant 1, mRNA
10715	23748	37356	1.38	2.0E-73	11496980 NT	TN	Homo sapiens supervilin (SVIL), transcript variant 1, mRNA
11309	24374	38017	2.91	2.0E-73	4557612 NT	IN	Homo saplens galactosy/ceremidase (Krabbe disease) (GALC), mRNA
11309	24374	38018		2.0E-73	4557612	TN	Homo saplens galactosylogramidate (Krabbe disease) (GALC), mRNA
11339	24402	38051	44.1	2.0E-73	2.0E-73 AB028982.1	TN	Homo sapiens mRNA for KIAA1059 protein, partial cds
12599	15141		4.32	2.0E-73	2.0E-73 AW 898081.1	EST HUMAN	RC3-NN0066-270400-011-c04 NN0068 Hamo sepiens cDNA
1824	14973	28068	3.52	1.0E-73	1.0E-73 AU121585.1	EST_HUMAN	AU121585 MAMMA1 Homo sapiens cDNA clone MAMMA1000490 5
6490	19656	33019	1.19	1.0E-73	1.0E-73 BE151283.1	EST_HUMAN	CM1-HT0282-111199-042-h10 HT0282 Homo sepiens cDNA
890	2274B	36318	1 22	1.0F-73	1.0F-73 A1147427.1	EST HUMAN	eg61b07.r1 Soares_tests_NHT Homo sapiens cDNA clone IMAGE:1839637 5' smilar to containt element of MER22 repatilive element;
11738	23822			1.0E-73	1.0E-73 BE385477.1	EST HUMAN	801278071F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:3617105 5'
12045	25028		1.34	9.0E-74	9.0E-74 X77225.1	L	H.saplens mRNA for TFIIA
12045	1_			9.0E-74	9.0E-74 X77225.1	-N	H.saplens mRNA for TFIIA
769	L			8.0E-74	4557428 NT	N	Homo sepiens CD394ike 4 (CD39L4) mRNA
9036	19219	32541	1.73		8.0E-74 S83194.1	LZ.	Ga2+/calmodulin-dependent protein kinase IV kinase Isoform [rats, brain, mRNA, 3429 nt]
9038			1.73	8.0E-74	B.0E-74 S83194.1	NT	Ca2+/calmodulin-dependent protein kinase IV kinase isoform [rats, brain, mRNA, 3429 nt]
2004	15144	28249	4.96		7.0E-74 AJ001689.1	NT	Homo sapiens NKG2D gene, exon 10
3407	18577		1.83	7.0E-74	7.0E-74 AL163246.2	LΝ	Homo sapiens chromosome 21 segment HS21C046
9444					7.0E-74 BE967432.1	EST_HUMAN	601649284F1 NIH_MGC_73 Homo saptens cDNA clone IMAGE:3932997 5'
12841		31985	4.73		7.0E-74 BE266305.1	EST_HUMAN	601191927F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3535855 5

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25	rotein genes, complete cds; and S171 gene,	one IMAGE:2700636 3'	3E:3605453 5'	3E:3605453 5'	DNA clone IMAGE:2709365 3'	DNA clone IMAGE:2709365 3'	AGE:3132332 3'	AGE:3132332 3'	d	MAGE:2483704 5		NA		ssociated protein A (33kD) (VAPA) mRNA,				NA		***************************************	1 (dose homologue of L1) (CHL1), mRNA	ø		1/2 (DLEC1, ORCTL3, ORCTL4 genes,	1/2 (DLEC1, ORCTL3, ORCTL4 genes,		type, 1 (PSMB1) mRNA	1 type, 1 (PSMB1) mRNA	3 J. J.	**************************************
Top Hit Descriptor	Homo saplens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene, partial cds.	xn78g07.x1 Soares_NFL_T_GBC_S1 Horno sapiens cDNA clone IMAGE:2700636 3	601283521F1 NIH_MGC_44 Homa saplens cDNA clone IMAGE:3805453 5	801283521F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3505453 5'	Ul-H-BI0-aah-h-03-0-Ul.s1 NCI_CGAP_Sub1 Homo sapiens cDNA clone IMAGE:2709365 3	Ui-H-Bi0-aah-h-03-0-Ui,s1 NCI_CGAP_Sub1 Homo sapiens cDNA clone IMAGE:2709365 3	hr54e11.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:3132332 3'	hr54e11.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:3132332 3'	Homo sapiens actin filament associated protein (AFAP), mRNA	df17c09.y1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2483704 5	PM0-CT0289-271099-001-h07 CT0289 Homo sapiens cDNA	Homo sepiens phosphatidylinosital glycan, class L (PIGL), mRNA	H.sapiens mRNA for TPCR16 protein	Homo sapiens VAMP (vesicle-associated membrane protein) associated protein A (33kD) (VAPA) mRNA, and translated protein A (33kD) (VAPA) mRNA,	Homo sapiens interleukin 4 recentor (II 4R) mRNA	Homo saplens Interleukin 4 receptor (IL4R), mRNA	Homo sapiens KIAA0716 gene product (KIAA0716), mRNA	Homo saplens hypothetical protein FLJ13222 (FLJ13222), mRNA	H sapiens mRNA for HIP-1	H.sapiens mRNA for HIP-I	Homo sapiens cell adhesion molecule with homology to L1 CAM (dose homologue of L1) (CHL1), mRNA	Homo sapiens DNA for amyloid precursor protein, complete cds	Homo saplens mRNA for KIAA1019 protein, partial ods	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complets cds)	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 1 (PSMB1) mRNA	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 1 (PSMB1) mRNA	Homo sapiens mRNA for KIAA1168 protein, partial ods	Homo sapiens PLP gene
Top Hit Database Source	ŊŢ	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	IN	EST_HUMAN	EST_HUMAN	N	NT	<u>F</u> V	- LV	L	N	NT	TN	LN	. LN	F	NT	FZ		NT	NT	NŢ	TN	NT
Top Hit Acessian No.	8.0E-74 AF109907.1	6.0E-74 AW263177.1	6.0E-74 BE388260.1	6.0E-74 BE388260.1	6.0E-74 AW014039.1	6.0E-74 AW014039.1	6.0E-74 BE048846.1	6.0E-74 BE048846.1	11056013 NT	5.0E-74 AW020986.1	5.0E-74 AW362756.1	11425417 NT	5.0E-74 X89870.1	4607866 NT	11431471NT	11431471 NT	7662263 INT	11345483 NT	5.0E-74 Y09420.1	5.0E-74 Y09420.1	5729766 NT	4.0E-74 D87675.1	4,0E-74 AB028942.1	4.0E-74 AB026898,1		4.0E-74 AB026898.1	4508192 NT	4506192 NT	4.0E-74 AB032994.1	4.0E-74 AJ006976.1
Most Similar (Top) Hit BLAST E Value	6.0E-74	6.0E-74	6.0E-74	6.0E-74	6.0E-74	6.0E-74	6.0E-74	6.0E-74	6.0E-74	5.0E-74	5.0E-74	5.0E-74	5.0E-74	77 30 3	5.0E-74	6.0E-74	6.0E-74	5.0E-74	5.0E-74	5.0E-74	5.0E-74	4.0E-74	4.0E-74	4.0E-74		4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74
Expression Signal	3.65	1.03	15.52	15.52	0.97	26.0	1.22	1.22	3.49	1.83	4.96	1.92	12.5	, a	292	2.94	3.69	2,33	1.67	1.67	1.36	3.31	10.3	3.07		3.07	96.6	96.6	1.32	1.16
ORF SEQ ID NO:	27368		28649	28650		29120		53963	31695	27166		31736	32413	69766	32533	32534	33593		37686	37687		26642	27116	28262						28745
Exon SEQ ID NO:	14311		H	ı	i I			l	18680				19099	101.47	_L		L	L.,	L	24053	24164	13507	14051	15158						15625
Probe SEQ ID NO:	1146	1656	2390	2390	2927	2927	3805	3805	5481	828	2767	6523	5910	5081	6030	9030	7035	8228	10973	10973	11090	082	875	2018		2018	2134	2134	2201	2498

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Top Hit Descriptor Top Hit Descriptor Source	Homo sapiens PLP gene	Homo sapiens chromosome 21 segment HS21C010	Homo sapiens chromosome 21 segment HS21C047	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo saplens mRNA for trensmebrane receptor protein	Homo sapiens mRNA for KIAA1476 protein, partial cds	Homo sapiens hydroxyacy-Coenzyme A dehydrogenase/3-ketoacy-Coenzyme A tholase/enoy-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB) mRNA	Homo sapiens hydroxyacyi-Coenzyme A dehydrogenaser3-ketoacyi-Coenzyme A thiolase/enoyi-Coenzyme A hydratase (trifunctional protein,) beta subunit (HADHB) mRNA	EST13131 Thymus tumor III Homo sepiens cDNA 6' end similar to similar to ribosomal protein L37	Homo sapiens actin related protein 3-beta (ARP3BETA), mRNA	EST01132 Subtracted Hippocampus, Stratagene (cat. #\$36205) Homo saplens cDNA clone HHCPF91	no17g05.s1 NCI_CGAP_Phe1 Homo sepiens cDNA done IMAGE:11009843'	Home saplens glycereldehyde-3-phosphate dehydrogenase (GAPD), mRNA	Homo sapiens giyoeraldehyde-3-phosphate dehydrogenase (GAPD), mRNA	Human endogenous refrortus HERV-K-T47D	ws51e07.x1 NCL_CGAP_Lu28 Homo saplens cDNA clone IMAGE:2547204.3' similar to SW:GG95_HUMAN Q08379 GOLGIN-05.; contains element MER22 repetitive element ;	Homo saplens epidermal growth factor receptor (avian enythrobiastic leukemia viral (v-erb-b) oncogene (homolog) (EGFR) mRNA	Homo sapiens epidermal growth factor receptor (avian erythroblastic leukemia viral (verb-b) oncogene	PT2.1 15 G11. tumoz Homo sepiens cDNA 3'	Novel human gene mapping to chomosome 22	Novel human gene mapping to chomosome 22	RCS-HT0878-220500-011-C03 HT0678 Homo saplens cDNA	Homo sapiens PDZ-73 protein (PDZ-73/NY-CO-38), mRNA	Homo sapiens PDZ-73 protein (PDZ-73/NY-CO-38), mRNA			e IMAGE:3827549 5'	Homo sapiens mRNA for KIAA1395 protein, partial cds
Top Hit Database Source	NT	FA.	F	FZ	FZ	LZ	N	Į, į	EST HUMAN	N	EST_HUMAN	EST_HUMAN	LZ	NT.	NT	EST_HUMAN	¥		EST HUMAN		NT	EST_HUMAN	FZ	ΝŢ	NT	NT	EST HUMAN	Ę
Top Hit Acession No.	4.0E-74 AJ006976.1	4.0E-74 AL183210.2	4.0E-74 AL 163247.2	7662183 NT	217227.1	4.0E-74 AB040909.1	4504326 NT	4504328 NT	3.0E-74 AA300378.1	9966912 NT	3.0E-74 M78984.1	3.0E-74 AA601493.1	7669491 NT	7669491 NT	2.0E-74 AF020092.1	2.0E-74 Al950528.1	4885198 NT	4007400	2.0E-74 AI557280.1 FS	2.0E-74 AL365092.1	2.0E-74 AL365092.1	2.0E-74 BE711134.1	11439587 NT	11439587 NT	11439587 NT	11439587 NT	2.0E-74 BF030788.1	2.0E-74 AB037816.1
Most Similar (Top) Hit BLAST E Value	4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74 Z17227.1	4.0E-74	4.0E-74	4.0E-74	3.0E-74	3.0E-74	3.0E-74	3.0E-74/	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74	1 4 6	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74
Expression Signal	6.22	1.1	1.29	1.86	1.07	1.03	1.12	1.12	3.53	0.62	2.32	2.16	28.83	28.83	1.83	4.	10.45	4, 6,	10.46	2.62	2.52	1.88	1.77	1.77	2.78	2.78	2.5	1.8
ORF SEQ ID NO:	29345	29795		30802	30854	31224	31271	31272		35394	36282		27213	27214	27424	27501	27861		28905				32618				1	34728
Exan SEQ ID NO:	16335	16780		17814	17870	18258	18307	18307	21826	21852			14153	ŀ	14384	14430	14777		15789	J	1	ŀ	L	L	L	L		21208
Probe SEQ ID NO:	3160	3616	4174	4679	4735	5133	5185	5185	8747	8773	9572	10546	886	980	1202	1273	1625	1	2668	5119	5119	6918	6017	6017	6087	6087	7252	8126

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Single Exon Probes Expressed in Placenta	Most Signal BLASTE No. Signal BLASTE No. Source	724 36294 5.27 2.0E-74 AL163204.2 NT Homo sepiens chromosome 21 segment HS21C004		1.16 2.0E-74 BF002855.1	283 28308 1.5 1.0E.74 7657334 NT Homo saplens Misshapen/NIK-related kinase (MINK), mRNA	5688 3.71 1.0E-74 AW816405.1 EST_HUMAN QV4-ST0234-181199-037-105 ST0234 Homo sapiens cDNA	26734 1.8 1.0E-74 8922829	26739 2.59 1.0E-74 X02344.1 NT	26823 1.28 1.0E-74 4508020 NT	27036 0.86 1.0E-74 AB020840.1 NT	27253	28568 6.03 1.0E-74 AB002059.1 NT	29394	29646 1.29 1.0E-74 AA258549.1 EST_HUMAN	29647	30197 0.84 1.0E-74 4504116 NT	30198 0.84 1.0E-74 4504116	30237 5.41 1.0E-74 AL163268.2 NT	30316 0.85 1.0E-74 BE083080.1 [EST_HUMAN	30508 0.87	33404 1.29 1.0E-74 M89914.1 NT	34353 1.05 1.0E-74 11417977 NT	34844 1.27 1.0E-74 BE549106.1 EST_HUMAN	34845 1.27 1.0E-74 BE549105.1 EST_HUMAN	35627 7.81 1.0E-74 AF214562.1 NT	35656 0.67 1.0E-74 BF351951.1   EST_HUMAN	37086 0.65 1.0E-74 AJ2\$1650.1  NT	37087) 0.65 1.0E-74/AJ251650.1 NT	37337 1.77 1.0E-74 11420549 NT	38826 1.94 1.0E-74 11417856 NT	4.97	433 28566 1.61 1.0E-74/AB002059.1 NT Homo sapiens DNA for Human P2XM, complete ods	Homo sapiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1) flores, complete cds 1.38 1.0E-74 AF240786.1 NT genes, complete cds
	SEQ ID	22724	6 25359		54 13293						4 14195	1	9 16383		Ш	17187		5 17231	5 17325	17525	19997	20860						-		34 25124		36 15433	25810
	Probe SEQ ID NO:	9582	12526	13169	47	347	વ્ય	519	61	96	102	2301	3209	3460	3460	4031	4031	4075	4175	4382	6844	7804	8246	8246	9005	9034	10445	104	10699	12154	12238	12386	12925

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Probe SEQ ID NO:	_ 0	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
2709			5.1	8.0E-75	8.0E-75 AF176228.1	LN	Homo saplens DNA cytosine-5 methytransferase 3B (DNMT3B) mRNA comniste cds
12552	25375		3.07	8.0E-75	8.0E-75 AL163202.2	TN	Homo sapiens chromosome 21 segment HS21C002
2395	15526	28654	125	6.0E-75	6.0E-75 AI817415.1	EST HUMAN	wk38a08.x1 NCI_CGAP_Pr22 Homo sapiens cDNA clone IMAGE:2417654 3' similar to gb:M14123_cds4_RETROVIRUS-REI ATED POI_POI_VPROTEIN (HI IMAN)
11780	24770	38466	1.39	6.0E-75	6.0E-75 BE791831.1	EST HUMAN	601586109F1 NIH MGC 7 Home septems cDNA close IMAGE 3040430 F
9109		35731	1.09		5.0E-75 BE272325.1	EST HUMAN	601126068F1 NIH MGC 9 Homo sepiens cDNA clone IMAGE 2999855
9317			0.77		5.0E-75 AA132611.1	EST HUMAN	2017 608.r1 Strategene colon (#837204) Homo saplens cDNA clone IMAGE-187174 9.
9395	22470		0.47	5.0E-75	5.0E-75 BE561655.1	EST HUMAN	601346909F1 NIH MGC 8 Home sablens cDNA clone IMAGE 3687458 F
9395			0.47	5.0E-75	5.0E-75 BE561655.1	EST HUMAN	601346909F1 NIH MGC 8 Home sapiens cDNA clone IMAGE 3687488 g
9573	22715	36283	1.1	5.0E-75	5.0E-75 BF690254.1	EST HUMAN	802188816T1 NIH MGC 49 Homo saplens cDNA clone IMAGE-4298738 3
10439	23474	37078	2.84	5 0F-75	5 0F-75 AI638623 1	EST HIMAN	#31612.x1 NCI_CGAP_GC8 Homo sapiens cDNA clone IMAGE:2242390 3' similar to TR.P97361 P97361 HYPOTHETICAL 2014 KD DEDITEM.
116	1.		2.1	4.0E-75	4.0E-75 BE081333 1	FST HIMAN	0.0.1.0.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0
471	13666		1.68	4.0F-75	4.0F-75 N36757 1	EST HIMAN	WORLD TO SOURCE TO SUBJECT THE SECRET TO THE
1805	l	28048	1.08	4.0E-75	4.0E-75 AW897230.1	EST HIMAN	CMO-NNO057,150400,335-911 NINO057 Home statement of the contractions of the contractio
2910	16088	29101	5.04	4.0E-75	4.0E-75 BE409464.1	FST HIMAN	601303866F1 NIH MGC 24 Home september 60MA plans LUIACE
5646	18840	32120	0.68	4.0E-76	11417948 NT	12	Homo saplens NIPSNAP C elegens homological (NIDSNAPA) memorani
5646	18840	32121	0.68	4.0E-75	11417946 NT	NT.	Homo sablens NIPSNAP, C. elegans, homolog 1 (NIPSNAP1), mRNA
යෙමම		32929	5.18	4.0E-75	5579457 NT	Į.	Homo saplens eukanogic translation initiation factor 3 submit 8 (410kD) (FIE358) mDMA
6898		33458	4.1	4.0E-75	11417946INT	Į.	Homo sapiens NIPSNAP, C. elegans, homolog 1 (NIPSNAP1) mPNA
6898	20048	33459	1.4	4.0E-75	11417946 NT	NT	Homo saplens NIPSNAP, C. elegans, homolog 1 (NIPSNAEA), minus
10924	24007	37642	10.52	4.0E-76	7669505 NT	L	Homo capiene myosin, heavy polypeptide 1. skeletal muscle, adult (MYH1), mRNA
1027	14198	27256	3.6	3.0E-75		FZ	Homo sapiens HTRA serine protease (PRSS11) gene. complete cds
1028	14198	27256	3.59	3.0E-75		NT	Homo sepiens HTRA serine protease (PRSS11) gene, complete cds
<u>8</u>	15027	28134	2.23	3.0E-75	3.0E-75 AB011153.1	NT	Homo saplens mRNA for KIAA0581 protein, partial cds
2180	15315	28444	1.44	3.0E-75	4507334 NT	LZ	Homo saplens synaptojanin 1 (SYNJ1), mRNA
2494	15621	28740	4.39	3.0E-75	4759153 NT	トラ	Homo caplens synapticsomal-associated protein 29kD (SNAP28) mRNA
3086	16262	29279	96.0	3.0E-75	3.0E-75 AL163201.2	LN	Homo sapiens chromosome 21 segment HS21C001
3258	18432	29449	1.09	3.0E-75	3.0E-75 AB011153.1	LN	Homo sapiens mRNA for KIAA0581 protein, partial cds
3431	16599	29616	0.93	3.0E-75 M72393.1		PN	Human calcium-dependent phospholipid-binding profein (Pl A2) mRNA complete ode
3431	16599	29617	0.93	3.0E-75 M72393.1		LN	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete eds
3833	16993	29995	9.0	3.0E-75 M72393.1			Human calclum-dependent phospholipid-binding protain (Pl A2) mRNA commens and
4283	17428	30418	2.92	3.0E-75 D87675.1		Z	Homo saplens DNA for amylold precursor protein, complete cds
5365	18568	31434	1,15	3.0E-75	1420956		Homo saplens adaptor-related protein complex 1, sigma 2 subunit (AP1S2), mRNA

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Top Hit Descriptor	Homo sapiens adaptor-related protein complex 1, sigma 2 subunit (AP1S2), mRNA	Homo saplens cytoplasmic dynein intermediate chain 1 mRNA, complete cds	Homo saplens cytoplasmic dynein intermediate chain 1 mRNA, complete cds	Homo sapiens HIR (histone cell cycle regulation defective, S. cerevislae) homolog A (HIRA), mRNA	Homo saplens HIR (histons cell cycle regulation defective, S. cerevisias) homolog A (HIRA), mRNA	Homo sapiens KIAA0623 gene product (KIAA0623), mRNA	Homo sapiens KIAA0623 gene product (KIAA0623), mRNA	Homo sapiens Oncogene TIM (TIM) mRNA	Homo saplens Oncogene TIM (TIM) mRNA	Homo sapiens snail 1 (drocophila homolog), zinc finger protein (SNAI1), mRNA	Homo sapiens Drosophila Kelch like protein (DKELCHL), mRNA	AV734680 cdA Homo sapiens cDNA clone cdABED02 5'	9091602.x1 NCL_CGAP_Kid5 Homo saplens cDNA clone IMAGE:1915898 3' similar to TR:Q69386 Q69386 POLIENV GENE;	kg60d02.x1 NCI_CGAP_Ut4 Homo saplens cDNA clone IMAGE:2632707.3' similar to confains PTR7.t1	PTR7 repetitive element;	H.sapiens ERCC2 gene, exons 1 & 2 (partial)	RC5-BT0640-020300-031-H03 BT0640 Homo sapiens cDNA	RC5-BT0640-020300-031-H03 BT0640 Homo saplene aDNA	ZISTNOS, s1 Soares, testis, NHT Homo septens cDNA clone IMAGE:726485 3' similar to gb:M13932 40S = RIBOSOMAL PROTEIN S17 (HUMAN):	601900284F1 NIH_MGC_19 Hamo seplens cDNA clone IMAGE:4129678 5	601900294F1 NIH MGC 19 Homo sapiens cDNA clone IMAGE:4129678 5'	ac77b08.s1 Stratagene lung (#937210) Homo sapiens cDNA clone IMAGE:868599 3'	Homo saplens calcium channel alpha1E subunit (CACNA1E) gene, exons 7.49, and partial cds, atternatively	DBOINDS	601437130F1 NIH_MGC_72 Hamo saplens cDNA done IMAGE:3922303 5'	wb30b10.x1 NCI_CGAP_GG6 Homo sapiens cDNA clone IMAGE:2307163 3' smiler to TR:075235 075235 TRAP1 ;	wb30b10.x1 NCL_CGAP_GC6 Homo sepiens cDNA clone IMAGE:2307163 3' similar to TR:075235 075235. TRAP4	2885b07.s1 Scares_fetal_liver_splean_1NFLS_S1 Homo sapiens cDNA clone IMAGE:4475413'
Top Hit Database Source			NT.									EST HUMAN	EST HUMAN	1	EST HUMAN	LN	EST HUMAN	EST_HUMAN	EST HUMAN	Γ	EST_HUMAN	EST_HUMAN		٦	EST HUMAN	EST HUMAN	NAMIN TST	1 1
Top Hit Acession No.	11420956 NT	3.0E-75 AF123074.1	3.0E-75 AF123074.1	11526319 NT	11526319 NT	7862209 NT	7662209 NT	4885632 NT	4885632 NT	11420804 NT	11420222 NT	2.0E-75 AV734680.1	2.0E-75 A 311783.1		1.0E-75 AW168135.1	1.0E-75 X52221.1	1.0E-75 BE082528.1	1.0E-75 BE082528.1	1.0E-75 AA399270.1	1.0E-75 BF313845.1	1.0E-75 BF313645.1	1.0E-75 AA684377.1		1.0E-75/AF-223391.1	1.0E-75 BE894192.1	9.0E-76 A1652648.1	9.0F-76.41652648 1	9.0E-76 AA702415.1
Most Similar (Top) Hit BLAST E Value	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.05-75	2.0E-75	2.0E-75		1.0E-75	1.0E-75	1.0E-75	1.0E-75	1.0E-75	1.0E-75	1.0E-75	1.0E-75	10	1.05-70,	1.0E-75	9.0E-76	9.05-76	9.0E-76
Expression Signal	1.15	0.59	0.59	1.57	1.57	4.12	4.12	5.66	2.66	1.33	0.83	<b>2</b> .5	1,36		10.98	2.95	0.64	0.64	3.12	3.95	3.95	8.98		77.7	1.97	0.89	080	0.94
ORF SEQ ID NO:				33654					34347	35805			35570				34311	34312			36254			1	31538	26292	26293	
SEQ ID	18558	19796	19796	20224			ŀ		20856			18982	22029	ļ	]		20821		l	١.	•			1	18502	13284	13284	1 (
Probe SEQ ID NO:	5365	6637	9637	6069	6909	7285	7285	7800	7800	9185	0886	5790	0268		2377	3012	7762	7762	8609	9628	9628	11122		1351	12440	45	45	2486

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Probe SEQ (D) S NO:	SEQ 10 NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
10105	23143	38741	5.44	9.0E-78	9.0E-76 M12937.1	L	Human ferritin Heavy subunit mRNA, complete cds
198	14134	27194	1.18	8.0E-76	4504374 NT	LN	Homo sapiens H factor 1 (complement) (HF1) mRNA
198	14134	27195	1.18	8.0E-78	4504374 NT	LN-	Homo sapiens H factor 1 (complement) (HF1) mRNA
2978	16152	29173	0.95	8.0E-76	7706724 NT	LN-	Homo sapiens mediator (Sur2), mRNA
6300	19473	32828	5.84	8.0E-78	11421442 NT	N-1	Homo saplens LIM domain kinase 1 (LIMK1), mRNA
7658	20725	34200	1.17	8.0E-76	11435215 NT	N	Homo sapiens serine/threonine kinase 2 (STK2), mRNA
7739	20800	34289	1.05	8.0E-76	11419212 NT	N-	Homo sapiens mitochondrial carrier family protein (LOC65972), mRNA
8492	21573	35110	0.69	8.0E-76	11416961 NT	N-I	Homo sapiens AIM-1 protein (LOG51151), mRNA
10589	23824	37231	1.28	8.05-76	8.0E-79 M13792.1	LN T	Human adenosine deaminase (ADA) gene, complete cds
5060	23987	37619	4.29	8.0E-78	10442821 NT	N	Homo saplens baculoviral IAP repeat-containing 6 (BIRC6), mRNA
12824	28550		2.51	8.0E-76	11417862 NT	LΝ	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA
. 787	13976	27028	1.89	7.0E-76	6016092 NT	N.	Homo sapiens dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-αxo- gutarate complex, branched chaln keto acid dehydrogenase complex) (OLD) mRNA
3366	16538	29551	3.84	7.0E-78	7.0E-76 AF056490.1	E	Homo sapiens cAMP-specific phosphodiesterase 8A (PDE8A) mRNA, partial cds
3372	18544	29558	90'6	7.0E-78	4505052 NT	NT	Homo saplens lymphocyte antigen 75 (LY75) mRNA, and translated products
4491	17831	30612	5.52	7.0E-76	4507184 NT	LN	Homo saplens sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxdoreductase) (SPR) mRNA
4491	17631	30613	5.52	7.0E-76	4507184 NT	PZ.	Homo sapiens seplapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase) (SPR) mRNA
1282	14418		37.29		6.0E-76 BE396253.1	EST_HUMAN	801312019F1 NIH_MGC_44 Home sapiens cDNA clane INAGE:3656757 5'
11753	23030	37565	2.52	6.0E-78	6.0E-76 BE273201.1	EST_HUMAN	601142253F1 NIH_MGC_14 Homo sapiens cDNA clone IMAGE:3506029 5'
1997	15138	28243	19.61	5.0E-76		LN-	Human mRNA for HMG-1, complete cds
1997	15138	28244	9.61	5.0E-76	5.0E-76 D63874.1	Į.	Human mRNA for HMG-1, complete cds
1997	15138	28245	19.61	5.0E-76	5.0E-76 D63874.1	N.	Human mRNA for HMG-1, complete cds
3278	16452	29473	0.64	4.0E-76	4.0E-76 BE814096.1	EST_HUMAN	QV3-BN0047-270700-283-g06 BN0047 Homo sapiens cDNA
5384	18586	31455	1.13	4.0E-78	4.0E-76 BE783412.1	EST_HUMAN	601471725F1 NIH_MGC_67 Homo saplens cDNA clone IMAGE:3874470 6/
	23265	36854	5.48	4.0E-76	4.0E-76 D81626.1	EST_HUMAN	HUM178G01B Human fetal brain (TFujiwara) Homo sapiens cDNA clone GEN-178G01 5
1	23285	36855	6.48	4.0E-76	4.0E-76 D81625.1	EST_HUMAN	HUM178G01B Human fetal brain (TFujiwara) Homo sapiens oDNA clone GEN-178G01 6
848	13831	26856	2.01	3.0E-76	3.0E-76 BF516262.1	EST_HUMAN	UI-H-BW 1-enz-b-04-0-UI:s1 NCI_CGAP_Sub7 Homo septiens cDNA clone IMAGE:3083862 3
646	13831	26857	2.01	3.0E-76	3.0E-76 BF516262.1	EST_HUMAN	UI-H-BW 1-enz-b-04-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA done IMAGE:3083862 3/
1629	14781	27866	8.04	3.0E-78	4503478 NT	NT	Homo sepiens eukaryotic tremdation elongation factor 1 beta 2 (EEF1B2) mRNA
1629	14781	27867	8.04	3.0E-78	4503476 NT	L	Homo sapiens eukaryotic translation elongation factor 1 bela 2 (EEF1B2) mRNA
3515	16681	28691	6.75	3.0E-76	3.0E-76 BF375689.1	EST_HUMAN	RC5-ST0300-180100-033-A03 ST0300 Homo sapiens cDNA
3616	16681	29692	5.75		3.0E-76 BF375689.1	EST_HUMAN	RC5-ST0300-180100-033-A03-ST0300 Homo seplens cDNA
2383	20,00	2000	,		0 OF 70 744044 4	TAY TO BE A POL	DOCATOR CONTRACTOR CON

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	Top Hit Descriptor	zo73c07.r1 Stratagene pancreas (#837208) Homo sapiens cDNA clone IMAGE:592524 5' similar to gb:L32976 MIXED LINEAGE KINASE 1 (HUMAN);	wv75c05:x1 Scares_thymus_NHFTh Homo sepiens cDNA clone IMAGE:2535368 3'	Homo saplens angiostatin binding protein 1 mRNA, complete cds	yy20g10.r1 Soares melanccyte 2NbHM Home sapiens cDNA clone IMAGE:271842 5'	xs48h01.x1 NCI_CGAP_Kd11 Homo saplens cDNA clone (MAGE:2773009 3'	zv54d11.r1 Soares_lestis_NHT Hamo saplens cDNA clone IMAGE:757461 5'	zv54d11.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:757461 5'	EST380059 MAGE resequences, MAGJ Homo saplens cDNA	EST368525 WAGE resequences, MAGD Homo sapiens cDNA	Human mRNA for possible protein TPRDII, complete cds	Human mRNA for possible protein TPRDII, complete cds	Human mRNA for posable protein TPRDII, complete cds	Homo sapiens immunoglobulin (CD79A) binding protein 1 (IGBP1) mRNA	Homo sapiens glucagon (GCG) mRNA	Homo sapiens cAMP responsive element binding protein 1 (CREB1) mRNA	Homo sapiens GM2 gangiloside activator protein (GM2A) mRNA	Homo sapiens GM2 ganglioside activator protein (GM2A) mRNA	zs60h11.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:701925 3'	OLFACTORY RECEPTOR-LIKE PROTEIN F5	Tw64e02.s1 Sogres_lestis_NHT Homo sapiens cDNA clone IMAGE:780986 3' similar to SW:ITB\$_HUMAN {   P18084 INTEGRIN BETA+5 SUBUNIT PRECURSOR.	Zw64e02.st Soares_testis_NHT Homo sapiens dDNA clone IMAGE:780986 3' similar to SW:ITB5_HUMAN \ P18084 INTEGRIN BETA-5 SUBLNIT PRECURSOR.;	ac83b02.y5 Stratagene lung (#537210) Homo sapiens cDNA clone IMAGE:869163 5 similar to TR:O14491	Olabel Similari I o Pazase	Human mRNA for possible protein TPRUM, complete cds	Homo sapiens chromosome 21 segment HS210083	QV3-OT0028-220300-132-b11 OT0028 Homo saplens cDNA	Homo sepiens murine rotrovinus integration site 1 homotog (MRVI1) mRNA	Gorilla gorilla offactory receptor (GGO18) gene, partial cds			Homo saplens A kinase (PRKA) anchor protein 10 (AKAP10), mRNA
	Top Hit Database Source	EST_HUMAN	EST HUMAN	TN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	TN	IN	LΝ	TN	TN	NT	NT	IN	EST_HUMAN	SWISSPROT	EST HUMAN	EST HUMAN	14 94 41 11 11 11 11 11	EG TOMAN	Ļ	1	EST HUMAN	TN	NT	FX	ΤN	LN
	Top Hit Acesston No.	3.0E-76 AA160611.1	3.0E-76 AW027705.1	3.0E-76 AF286598.1	3.0E-76 N42671.1	3.0E-76 AW299353.1	3.0E-76 AA442309.1	3.0E-76 AA442309.1		3.0E-76 AW956455.1	2.0E-76 D84295.1		2.0E-76 D84295.1	4557662 NT	4503944 NT	4758053 NT	4504028 NT	4504028 NT	2.0E-76 AA253954.1	P23266	2.0E-76 AA445992.1	2.0E-76 AA445992.1	, 0, 1,00,	2.0E-76 ARZ1149.1	2.0E-76 D84295.1	2.0E-76 AL163283.2	2.0E-76 AW879618.1	5174586 NT	2.0E-76 AF127845.1	2.0E-76 AB029004.1	11421326 NT	11426908 NT
	Most Similar (Top) Hit BLAST E Value	3.0E-76	3.0E-76	3.0E-76	3.0E-76	3.0E-76	3.0E-76	3.0E-76	3.0E-76	3.0E-76	2.0E-76			2.0E-76	2.0E-76	2.0E-76	2.0E-78	2.0E-76		2.0E-76 P23266		2.0E-76		20E-76	2.0E-76	2.0E-76		2.0E-76			2.0E-76	2.0E-76
	Expression Signal	0.92	0.61	8.19	1.27	3.03	1.08	1.08	2.1	6.95	1.11	3.21	3.21	96.0	1.07	1.66	11.31	11.31	66.0	2.13				0.93	1.01	0.91	11.15			4.83		
	ORF SEQ ID NO:	32347	32625	33027	34961	36544	36572	36573	31763	31542	26544		26591		26812	27281			28227		29555					30773				32226		11
	Exon SEQ IO NO:	19041	19200	19684	21425	[	22981	1	26943	26184	13509	13563	13563	13668	13792	14222	14719	14719	15125	16082	16541	1	1	- 1	13509	17789	18190	!	1	18929		
	Probe SEQ ID NO:	5851	6110	6498	8344	9917	9942	9942	12144	12251	292	352	362	473	603	1056	1568	1566	1982	2904	3369	3360		3202	4254	4653	5062	5163	5424	5738	7570	7692

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Top Hit Descriptor	Homo sapiens TPCR86 protein (HSTPCR86P), mRNA	Horno sapiens similar to ribosomal protein S26 (H. sapiens) (LOC63150), mRNA	Homo sapiens HIRA interacting protein 4 (dnaJ-like) (HIRIP4), mRNA	Human mRNA for HMG-1, oomplete odc	Human mRNA for HMG-1, complete cds	601589896F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3944302 5	ES137301 Embryo, 8 week I Homo saplens cDNA 5' end	601512435F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE 3913737 5	601302333F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3636753 5	yp11h02.r1 Soares breast 3NbHBst Horno saplens cDNA clone IMAGE:187155 5' similar to SP:ANKB_HUMAN Q01484 ANKYRIN, BRAIN VARIANT 1;	801866926F1 NIH_MGC_17 Homo.saplens cDNA clone IMAGE:4109503 5'	Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov34 homolog) (PSMD7)	mraya 2-2000 11 States retina N254HR Homo septens cDNA clone IMAGE:363578 5	COLORES IN THE	ze62e02.r1 Soares retina N204HK Homo saplens cUNA clone IMAGE:3033/0 o	ye69f04.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:123007 3' similar to contains MER10 repetitive element ;	zu91901.s1 Soares_testts_NHT Homo sapiens cDNA clone IMAGE:745392 3'	Homo sapiens polymerase (RNA) II (DNA directed) polypeptide E (25kD) (POLR2E) mRNA	Homo sapiens polymerase (RNA) II (DNA directed) polypeptide 🖺 (25kD) (POLR2E) mRNA	Homo saplens interferon (alpha, beta and omega) receptor 2 (IFNAR2) mRNA	EST369823 MAGE resequences, MAGE Homo sapiens cDNA	qe77h12x1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone IMAGE:1745063 3'	7 Homo saplens glucokinase (GCK) gene, exon 2	Homo sapiens disintegrin and melalloprotease domain 10 (ADAM10) mRNA	Homo saptens tousled-like kinase 1 (TLK1) mRNA, complete cds	Homo sapiens cullin 1 (CUL1) mRNA	Homo sepiens ubiquitin specific protease 18 (USP18), mRNA	Homo sapiens EGF-like repeats and discoldin I-like domains 3 (EDIL3), mRNA	Homo sepiens EGF-like repeats and discoidin I-like domains 3 (EDIL3), mRNA	DKFZp434G1728_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434G1728 5'	Homo sapiens protein kinase C beta-II typa (PRKCB1) mRNA, complete cds	H.sapiens mRNA for ublqullin hydrolase
Top Hit Database Source	FZ	TN	FX	N	FX	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	ļ	N-FOR ELIMAN	NIMINI CI	EST HUMAN	EST HUMAN	EST HUMAN	NT	TN	NT	EST_HUMAN	EST_HUMAN	NT	LN	NT	TN	LΝ	NT	NT	EST_HUMAN	TN	NT.
Top Hit Acession No.	11427410 NT	11437211 NT	7549807 NT			1.0E-76 BE798537.1	1.0E-76 AA333207.1	9.0E-77 BE889525.1	9.0E-77 BE410354.1	383144.1	8.0E-77 BF205181.1		8.0E-77 4506230 N1	AC 187 / 0.1	8.0E-77 AA019770.1	300245.1	7.0E-77 AA625755.1	4505944 NT	4505944 NT	4504600 NT	6.0E-77 AW957753.1	6.0E-77 A1204086.1	5.0E-77 AF041015.1	4557250 NT	5.0E-77 AF162668.1	4503160 NT	8394518 NT	5031660 NT	5031660 NT	5.0E-77 AL043953.1	6.0E-77 M13975.1	5.0E-77 X98296.1
Most Similar (Top) Hit BLAST E Value	2.0E-76	2.0E-76	2.0E-76	1.0E-76 D63874.1	1.0E-78 D63874.1	1.0E-76	1.0E-76			8.0E-77 R83144.1	8.0E-77	1	8.0E-77	8.0E-77	8.0E-77	8.0E-77 R00245.1	7.0E-77	7.0E-77	7.0E-77	6.0E-77	6.0E-77					5,0E-77	5.0E-77	5.0E-77	5.0E-77	5.0E-77		
Expression Signal	1.82	1.42	2.44	2.40	2.49	5.93	2.0	4.56	1.98		1.41		1.37	- (8	1.78	32.5	22	2.78	2.78	4			2.89		1.75	1.58	0.65	26.0		3.67	0.65	0.59
ORF SEQ ID NO:	34397			L		L		33530		<u>.</u>	30762			1	38439	31982		L		26522			L			29046	1	30944			33671	
SEQ ID NO:	20895	L	L	L			19543	20116	25652	13414	17780	١.	. 1	١	24748	25837	L		L	13491		14727	14421	乚	1	i .		17958	17968	L	20237	20555
Probe SEQ ID NO:	7840	10489	11161	4412	4412	5584	6374	7063	13003	192	4844		5569	11669	11669	12979	1083	2482	2482	273	1165	1574	1264	1391	2749	2822	3611	4825	4825	5052	6922	7480

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Top Hit Descriptor	H.saplens mRNA for ublquitin hydrolase	Homo sapiens 3-hydroxy/sobutyryl-Coenzyme A hydrolase (HIBCH), mRNA	Homo sapiens 3-hydroxyiscoutyryi-Coenzyme A hydrolase (HIBCH), mRNA	Homo saplens sorting nexin 6 (SNX5), mRNA	Homo saplens sorting nexin 5 (SNX5), mRNA	Human mRNA for KJAA0299 gene, partial cds	Human mRNA for KIAA0299 gene, partial cds	Homo saplens SET domain and mariner transposase fusion gene (SETMAR) mRNA	Homo sapiens SET domain and mariner transposase fusion gene (SETMAR) mRNA	yu64g01.r1 Weizmann Olfactory Epithelium Homo saplens cDNA clone IMAGE:238608 5' similar to SP:S17447 S17447 PROBABLE LIGAND-BINDING PROTEIN RYZG5 - ;	yu64g01,r1 Weizmann Olfedory Epithelium Homo saplens cDNA clone IMAGE:238608 5' similar to	of Sunature Control and Contro	PM3-MT0078-080800-005-g03 MT0078 Homo sapiens cDNA	AV764617 MDS Homo sapians cDNA clone MDSBTF10 5'	RC3-BN0053-170200-011-h01 BN0053 Homo saplens cDNA	Homo sapiens CYP17 gene, 5' end	Homo sapiens CGI-79 protein (LOC51694), mRNA	Homo sapiens mRNA for KIAA1415 protein, partial cds	Homo saplens mRNA for KIAA1415 protein, partial cds	ho43b05.x1 Soares, NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:3040113 3' similar to Sw:GAG2_HUMAN P10294 RETROVIRUS-RELATED GAG POLYPROTEIN;	w22g02.x1 NCI_CGAP_Bm52 Homo saplens cDNA done IMAGE:2280486 3' similar to TR:065245 G65245 F21E10.7 PROTEIN.;	w22g02.x1 NCI_CGAP_Bm52 Homo sapiens cDNA clone IWAGE:2260468 3' simitar to TR:065245 065245 F21E10.7 PROTEIN.;	ns68g12.s1 NCL_CGAP_Pr2.Homo sapiens cDNA clone IMAGE:1188838 similar to SW:RL29_HUMAN P47914 80S RIBOSOMAL PROTEIN L29. [1] contains element MSR1 repetitive element :	601119852F1 NIH MGC_17 Hamo sapiens cDNA clone iMAGE:3029436 5/		720 3' similar to TR:Q13311
Top Hit Database Source	NT	NT	TN	LN.	FN	LZ	NT	TN	N	EST_HUMAN	TOT LONGE	אולאוסה ופם	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	TN	N	NT	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN
Top Hit Acession No.	5.0E-77 X98296.1	11428849 NT	11428849 NT	11421928 NT	11421928 NT	5.0E-77 AB002297.1	5.0E-77 AB002297.1	5730038 NT	5730038 NT	3.0E-77 H65167.1		1.701000	3.0E-77 BF359917.1	2.0E-77 AV764617.1	2.0E-77 AW897712.1	L41825.1	7706315/NT	2.0E-77 AB037836.1	2.0E-77 AB037836.1	2.0E-77 BE044318.1	2.0E-77 AI613519.1	2.0E-77 AI613519.1	2.0E-77 AA653026.1	2.0E-77 BE298940.1	2.0E-77 BE787143.1	2.0E-77 A1833003.1
Most Similar (Top) Hit BLAST E Value	5.0E-77	5.05-77	5.06-77	5.0E-77	5.0E-77	5.0E-77	6.0E-77	3.0E-77	3.0E-77	3.0E-77	000	3.05-77	3.0E-77	2.0E-77	2.0E-77	2.0E-77 L41825.1	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77	2.0E-77
Expression Signal	0.72	1.21	1.21	2.61	2.61	78.0	76.0	1.39	1.30	6.0		8.0	2.83	1.74	9.74	1.1	275	1.69	1.69	1.98	0.67	0.87	2.34	2.08	1.86	15.02
ORF SEQ ID NO:		35183	35184						28278	37139	974.40	1			27702	28419	28432	28895	28896	30287	30856	30657		L	32829	
Exan SEQ ID NO:	20555	21644	21644	'	1	ı	1	15170	15170	23531		-1	1	14538	14618	15283	15305	16067	16067	17295	17672	17672	1 _	1	1	
Probe. SEQ ID NO:	1911	5958	8563	8169	6926	10708	10708	2028	2029	10498	90707	10480	11115	1383	1484	2157	2170	2669	2659	4143	4534	4534	4891	6075	6301	7326

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Single Exon Probes Expressed in Placenta	Top Hit Descriptor	qy/0c09.x1 NCI_CGAP_Brn25 Homo saplens cDNA clone IMAGE:2017380 3' smilar to WP:F29D11.1 CE05766 LOW DENSITY LIPID RECEPTOR-RLATED PROTEIN;	Human protein kinasa C substrate 80K-H (PRKCSH) gene, exon 7	Human protein kinase C substrato 80K-H (PRKCSH) gene, exon 7	601895183F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4124541 5'	601895183F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4124541 5/	Homo sepiens mRNA for KIAA1276 protein, pertial ods	Homo saplens mRNA for KIAA1276 protein, partial cds	Homo sapienc amyloid bata (A4) procursor profein (profease nexin-II, Alzheimer disease) (APP), mRNA	Homo sapiens amyloid beta (A4) precursor protein (proteaso nexin-ll, Alzheimer disease) (APP), mRNA	Homo sapians amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease) (APP), mRNA	Homo sapiens amytad beta (A4) precursor protein (protease nextn-II, Alzheimer disease) (APP), mRNA	ww83e05.x1 Soares_thymus_NHFTh Homo sepiens cDNA clone IMAGE:2536160 3*	Homo sapiens mRNA for KJAA1101 protein, complete cds	Homo sapiens 2,4-diency/ CoA reductase 1, mitochondrial (DECR1), mRNA	Homo sapiens CGI-60 protein (LOC5/628), mRNA	Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	Homo saplens breast cencer 1, early onset (BRCA1), trenscript variant BRCA1-exon4, mRNA	qv09g04.x1 NCI_CGAP_Kld8 Homo saplens cDNA clone IMAGE:1981110 3'	Homo sapiens dynactin 1 (DCTN1) gene, exons 27 and 28	Homo saplens dynactin 1 (DCTN1) gene, exons 27 and 28	Human von Willebrand factor gene, exon 20	Homo saplens diaphanous (Drosophila, homolog) 1 (DIAPH1), mRNA	Homo sapiens elastin (supravalvular aortic stenosis, Williams-Bauren syndrome) (ELN), mRNA	Homo sapiens cullin 1 (CJIL1), mRNA	Human mRNA for kidney epidermal growth factor (EGF) precursor	H.saplens DNA for Cone cGMP-PDE gene	H.saplens DNA for Cone cGMP-PDE gene	Hamo sapiens hu-GlcAT-P mRNA for glucuronyltransferase, complete ods	Homo sapiens hu-GlcAT-P mRNA for glucuronytransferase, complete ods
Exon Prope	Top Hit Database Source	EST_HUMAN	NT	IN	EST_HUMAN	EST HUMAN	TN	NT	NT	LN L	ŢN	TN	EST HUMAN	LZ	12	Į,	TN	NT	EST_HUMAN	NT	NT	NT	NT	NT	NT	NT	NT	L	LΝ	NT
Singil	Top Hit Acession No.	2.0E-77 Al362707.1	J50321.1		2.0E-77 BF310349.1	2.0E-77 BF310349.1		1.0E-77 AB033102.1	4502166 NT	4502166 NT	4502166 NT	4502166 NT	1.0E-77 AW058119.1	1.0E-77 AB029024.1	4503300 NT	7706299 NT	1.0E-77 AJ229041.1	6552322 NT		1.0E-77 AF086944.1	1.1		4885182 NT	5881412 NT	11420159 NT					1.0E-77 AB029396.1
	Most Similar (Top) Hit BLAST E Value	2.0E-77	2.0E-77 U50321.1	2.0E-77	2.0E-77	2.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.06-77 /	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77 M25844.1	1.0E-77	1.0E-77	1.0E-77	1.0E-77 X04571.1	1.0E-77 X94354.1	1.0E-77 X94354.1	1.0E-77	1.0E-77
	Expression Signal	0.86	5.68	5.68	0.47	0.47	2.62	2.62	1.68	1.68	3.4	3.4	1.36	1.17	2.28	4.24	22.17	205	0.61	1.48	1.48	1.72	1.1	15.97	0.82	0.71	0.83	0.83	1.05	1.05
	ORF SEQ ID NO:	35343	36366						26533	26534	27140	27141	28213	28763	29300		30764						33120						37387	37388
	Exon SEQ (D NO:	21806		22793		23236	13282	13282	13501	13501	16025	16025	16112	15641	16286	17613	17782		17948		1			20063		20880		1	23775	23775
	Probe SEQ (D NO:	8728	9728	9728	10199	10189	44	4	283	. 283	888	898	1969	2516	3110	4473	4646	4774	4816	6051	6051	6172	6577	7198	7844	7940	9465	9465	10742	10742

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Top Hit Descriptor	RC3-CT0254-280999-011-b05 CT0254 Homo sapiens cDNA	RC2-ET0023-080500-012-e05 ET0023 Homo sapiens cDNA	RC2-ET0023-080500-012-e05 ET0023 Homo sapiens cDNA	AU118789 HEMBA1 Homo sapiens cDNA clone HEMBA1004354 5'	AU118789 HEMBA1 Homo sapiens cDNA clone HEMBA1004354 5'	602016926F1 NCI_CGAP_Brn64 Homo sapiens cDNA clone IMAGE:4152511 5	Homo sapiens GDNF family receptor alpha 1 (GFRA1), mRNA	Homo sapiens hypothetical protein FLJ11316 (FLJ11316), mRNA	ba54h03.y3 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:2900405 5 similar to WP:Y48B6A.6	GE22121 ;	Human collagenase type IV (CLG4) gene, exon 6	Homo sapiens Best's macular dystrophy related protein mRNA, partial cds	Homo sapiens transforming growth factor, beta-induced, 68kD (TGFBI), mRNA	EST365190 MAGE resequences, MAGB Homo sepiens cDNA	Human lysosomal apha-mannosidase (manB) gene, exon 7	601648061F1 NIH_MGC_62 Homo sapiens cDNA clone IMAGE:3931887 5'	DKFZp434N0323_r1 434 (synonym: thes3) Homo sapiens cDNA clone DKFZp434N0323 5'	Novel human gene mapping to chomosome 22	Homo sapiens pre-mRNA splicing factor (SFRS3) mRNA, complete cds	Homo sapiens syncytin (LOC30816), mRNA	Homo sapiens phosphatidylinosital 4-kinase, catalytic, alpha polypeptide (PIK4CA) mRNA	Homo saplens phosphatidylinositol 4-kinaso, catalytic, alpha polypeptide (PIK4CA) mRNA	Homo sapiens SFRS protein kinase 2 (SRPK2), mRNA	Homo sapiens KIAA0426 gene product (KIAA0426), mRNA	Homo saplens KIAA0426 gene product (KIAA0426), mRNA	Homo sapiens ribosoma protein S6 kinase, 70kD, polypeptide 1 (RPS6KB1) mRNA	Homo sapiens ribosomal protein S8 kinase, 70kD, polypeptide 1 (RPS6KB1) mRNA	Homo sapiens phosphatidylinositol 4-kinase 230 (pi4K230) mRNA, complete cds	Homo sapiens phosphatidylinositol 4-kinase 230 (pi4K230) mRNA, complete cds	Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 4 (XRCC4), mRNA	Homo sapiens hypothetical C2H2 zinc finger protein FLJ22504 (FLJ22504), mRNA	Homo sapiens hypothetical C2H2 zinc finger protein FLJ22504 (FLJ22504), mRNA	Homo sapiens s-CaBP1 (CABP1) mRNA, complete cds
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	LN L	LN		EST_HUMAN	LΝ	TN	LN	EST_HUMAN	N	EST_HUMAN	EST_HUMAN	LN LN	ΝT	NT	FN	NT	NT	NT	. TN	FN	L	LZ	NT	Þ	Ę	NT	N T
Top Hit Acession No.	9.0E-78 AW753302.1	8.0E-78 AW947061.1	8.0E-78 AW947061.1	6.0E-78 AU118789.1	6.0E-78 AU118789.1	6.0E-78 BF344101.1	11432710 NT	11422486 NT		5.0E-78 AW673424.1	M55586.1	5.0E-78 AF038536.1	11416585 NT	5.0E-78 AW953120.1		5.0E-78 BE960836.1	4.0E-78 AL043314.2	4.0E-78 AL355841.1	4.0E-78 AF107405.1	7656876 NT	450580B NT	4505806 NT	11420732 NT	7662109 NT	7662109 NT	4506736 NT	4506736 NT	4.0E-78 AF012872.1	4.0E-78 AF012872.1	11417251 NT	11560151 NT	11560151 NT	4.0E-78 AF169148.1
Most Similar (Top) Hit BLAST E Value	9.0E-78	8.0E-78	8.0E-78	6.0E-78	6.0E-78	6.0E-78	8.0E-78	5.0E-78		5.0E-78	5.0E-78 M55586.1	6.0E-78	6.0E-78	5.0E-78	5.0E-78 U60889.1	5.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78 /
Expression Signal	2.76	2.29	2.29	1.96	1.66	6.0	2.54	6.13		5.71	5.09	2.73	18.13	2.18	7.02	2.94	1.29	1.81	6.1	6.17	1.2	1.2	1.25	0.71	0.71	0.74	0.69	1.15	1.15	0.61	1.95	1.95	1.84
ORF SEQ ID NO:	37429	33118	33119	26351	26352	29574		26474		28867	29659	31741	32177	33846	35910	35911	27379	27778	28652	30360	31012	31013	32385	32830	32831	33261	34203	35677	35678	36278	37303	37304	38394
Exan SEQ ID NO:						16559	19848	13446		15752					22360								1	1		19861			22133	22710		1 1	24702
Probe SEQ ID NO:	10773	6576	9299	88	88	3389	9	224		2629	3472	5528	5683	7304	9284	9285	1160	1547	2392	4442	4898	4896	5888	6302	6302	6703	7660	9024	9054	9568	10660	10660	11705

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	T	T	T	Τ	T	T	I	T	T	Τ	Τ	Ţ	T	Τ	T	Τ	Τ	Τ	T	T	Ŧ	7	T	7	4	T	T	T	Ť	- H.J	P
Top Hit Descriptor	Human transforming growth factor-beta precursor gene exons 4-5 (and joined mature peoplide)	Homo sapiens gene for AF-5, complete cds	Homo sapiens eRF1 gene, complete cds	Homo sapiens eRF1 gene, complete cds	Homo saplens SH3 and PX domain-containing protein SH3PX1 (SH3PX1) mRNA	AU140804 PLACE3 Homo saplens cDNA clone PLACE3000373 5	Homo sapiens synaptojantn 1 (SYNJ1), mRNA	Homo sapiens synaptojanin 1 (SYNJ1), mRNA	CM0-HT0180-041099-065-c07 HT0180 Homo saplens cDNA	QV0-HT0367-150200-114-g09 HT0367 Homo sapiens cDNA	Homo sapiens type IV collagen alpha 5 chain (COL4A5) gene, exon 20	EST182583 Jurkat T-cells VI Homo sapiens cDNA 5' end	UI-HF-BK0-aaj-g-10-0-UI.r1 NIH_MGC_36 Homo septems oDNA clone IMAGE:3054139 5'	UI-HF-BK0-sal-g-10-0-UI-1 NIH MGC 36 Homo sapiens cDNA clone IMAGE:3054139 6	602186529F1 NIH_MGC_49 Homo saplens cDNA clone IMAGE:4298599 5	AV714177 DCB Homo saplens cDNA clone DCBAWF09 5'	Pt2.1_16_B07.r tumor2 Homo saplens cDNA 3'	Pt2.1_16_B07.r tumor2 Homo saplens cDNA 3'	qi60h05x1 NCL CGAP_Brn25 Homo saplens cDNA cione IMAGE:1859961 3' similar to WP:R90.1 CE06325 PROTEIN KINASE:	HTM1-025F1 HTM1 Homo saplens cDNA	2848112.s1 Soares fetal liver spieen 1NFLS Homo sabiens cDNA clone IMAGE:295823.3'	Homo sapiens GAP-like protein (LOCS1306), mRNA	AV648699 GLC Homo sapiens cDNA done GLCBMC013'	Human serinethreonine kinase MNB (mnb) mRNA, complete cds	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens similar to lymphocyte activation-associated prolein (H. sapiens) (LOCR3140) mRNA	Homo sapiens peptide YY (PYY), mRNA	RC2-BN0074-090300-014-012 BN0074 Homo saplens cDNA	Homo sapiens mRNA for activator of S phase Kinase, complete cds	Homo sapiens ubiquitn-conjugating enzyme EZE 3 (homologous to wesst UBC4/5) // IAE2E3) mRNA	Homo saplens hypothetical protein FLJ11294 (FLJ11294), mRNA
Top Hit Database Source	LN LN	F	Ę	F	N	EST HUMAN	NT	IN	EST_HUMAN	EST_HUMAN	LZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	LN	EST_HUMAN	LN	NT	FZ	N	EST HUMAN	NT	FN	FN
Top Hit Acession No.	4.0E-78 X05844.1	4.0E-78 AB011399.1	3.0E-78 AF095901.1	3.0E-78 AF095901.1	T/06705 NT	3.0E-78 AU140604.1	4507334 NT	4507334 NT	3.0E-78 BE144758.1	3.0E-78 BE156318.1	J04489.1	2.0E-78 AA311872.1	2.0E-78 AW 402306.1	2.0E-78 AW 402308.1	2.0E-78 BF689800.1	2.0E-78 AV714177.1	2.0E-78 AI557509.1	2.0E-78 AI557509.1	2.0E-78 AI197837.1	2.0E-78 BE439409.1	166951.1	11417304 NT	1.0E-78 AV648699.1	J52373.1	11430460 NT	11435903 NT	11525891 NT	9.0E-79 BE000837.1	9.0E-79 AB028070.1	5454145 NT	11430822 NT
Most Similar (Top) Hit BLAST E Value		4.0E-78	3.0E-78	3.0E-78	3.0E-78	3.0E-78	3.0E-78	3.05-78	3.0E-78	3.05-78	2.0E-78 U04489.1	2.0E-78	2.0E-78	2.0E-78	2.0E-78	2.0E-78	2.0E-78	2.0E-78	2.0E-78	2.0E-78	2.0E-78 N68951.1	1.0E-78	1.0E-78/	1.0E-78 U52373.1	1.0E-78	1.0E-78	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79
Expression Signal	6.72	3.93	1.69	1.69	1.01	0.81	0.78	0.82	5.44	2.5	2.49	1.99	1.09	1.09	3.36	2.49	1.72	1.72	9.58	1.47	3.01	3.16	0.82	1.81	1.83	2.44	4.04	1.6	16.98	2.52	0.98
ORF SEQ ID NO:	38538	31991	26417	26418	28736		30074	30074		37937			34177	34178	34468	34832	35262	35263	38048		38108	31597	31514		32107	32086	30038	31093	31781	32996	33301
Exan SEQ ID NO:	24842		13380	13390	15615		Н	17077	23528	24296	16366	17276	20700	- 1		21312	1	21736	24399	24420	-24447	18621	18521	21434	25234	25299	17953	18115	18746	19637	19908
Probe SEQ ID NO:	11854	12855	199	165	2488	3860	3918	4221	10493	11227	3191	4122	7631	7031	7908	8230	8646	8646	11336	11358	11386	6420	ğ	88 88 88	12324	12422	4820	4986	5549	6470	6752

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onigle Exol Flobes Explessed in Flacella	Top Hit Descriptor	Homo sapiens hypothetical protein FLJ20345 (FLJ20345), mRNA	Homo sapiens cAMP response element-binding protein CRE-DPa (H_GS165L15.1), mRNA	Homo sapiens cAMP response element-binding protein CRE-BPa (H_GS165L15.1), mRNA	Homo sapiens threonyl-tRNA synthetase (TARS), mRNA	Homo sapiens threonyl-tRNA synthetase (TARS), mRNA	Homo sapiens casein kinase II alpha subunit mRNA, complete cds	Homo sapiens caseln kinase II alpha subunit mRNA, complete cds	Homo sapiens DNA for amyloid precursor protein, complete cds	Homo sapiens hypothetical protein FLJ20535 (FLJ20535), mRNA	Homo sapiens zinc finger protein 216 splice variant 1 (ZNF216) mRNA, complete cds	Homo sapiens zinc finger protein 216 splice variant 1 (ZNF216) mRNA, complete cds	Homo sapiens TRAF6-regulated IKK activator 1 beta Uev1A mRNA, complete cds	Homo saplens suppressor of white apricot homolog 2 (SWAP2), mRNA	Homo sapiens suppressor of white apricot homolog 2 (SWAP2), mRNA	Homo sapiens gamma-glutamytransferase 1 (GGT1), mRNA	Homo sapiens chromosome 21 segment HS21C010	601472766T1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3875657 3	Homo saplens chromosome 21 segment HS21C046	zj94e04,s1 Scares, fetal Jiver, spleen "INFLS, S1 Homo sapiens cDNA clone IMAGE:462558 3' similar to TR:Q15408 Q15408 NEUTRAL PROTEASE LARGE SUBUNIT;	Homo saplens chromosome 21 segment HS21C082	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	Homo sapiens cell-line (sA201 a chloride fon current inducer protein I(OIn) gene, complete cds	Human zinc finger protein ZNF131 mRNA, partial ods	Homo sapiens MSTP016 (MST016) mRNA, complete cds	Homo saplens mRNA for KIAA0892 protein, partial cds	601482143F1 NIH_MGC_68 Homo saplens cDNA clone IMAGE:3884554 5'	601482143F1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3884554 5'	Homo sapiens netrin 1 (NTN1), mRNA	Homo sapiens netrin 1 (NTN1), mRNA	601112055F1 NIH_MGC_16 Homo saplens cDNA clone IWAGE:3352885 5'	Homo saplens mRNA for KIAA0620 protein, partial cds	Homo saplens mRNA for KIAA0620 protein, partial cds	Homo saplens guanine nucleotide exchange factor for Rap1 (KIAA0277), mRNA
EXOII FIODE	Top Hit Database Source	FN	LN L	LΝ	NT	NT	NT	TN	N	NT	NT	NT	NT	TN	LN	LN LN	NT	EST_HUMAN	NT	EST HUMAN	Z.	NT	NT	NT	TN	NT	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	NT	LΝ	NT
ואוויס	Top Hit Acession No.	11424427 NT	11421735 NT	11421735 NT	11417260 NT	11417260 NT	J02853.1	J02853.1		11438643 NT	9.0E-79 AF062346.1	9.0E-79 AF062346.1	9.0E-79 AY008273.1	11423827 NT	11423827 NT	11417877 NT	8.0E-79 AL163210.2	7.0E-79 BE619648.1	6.0E-79 AL163246.2	8.0E-79 AA699829.1	5.0E-79 AL163282.2	3.0E-79 AF114488.1	3.0E-79 AF232708.1	3.0E-79 U09410.1	3.0E-79 AF110322.1	3.0E-79 AB020699.1	3.0E-79 BE789470.1	3.0E-79 BE789470.1	11426770 NT	11426770 NT	3.0E-79 BE256893.1	3.0E-79 AB014520.1	3.0E-79 AB014520.1	6912455 NT
	Most Similar (Top) Hit BLAST E Value	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79 D87675.1	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79	8.0E-79	7.0E-79	6.0E-79	6.0E-79	5.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79
	Expression Signal	0.99	0.63	0.63	0.52	0.52	4.78	4.78	99.0	0.82	1.05	1.05	1.61	2.94	2.94	1.4	1.18	6.36	0.62	5.44	3.63	1.74	1.22	1.74	7.05	1.69	0.93	0.93	3.87	3.87	0.84	- 2.58	2.58	0.87
	ORF SEQ ID NO:		34298	34209	35158									38489		31967		29516						29351					32386	32387	33445	33481		34574
	Exan SEQ ID NO:	25846	20808	20808					L _		23666			24792		25711	16996	16498	21923	25132		13537	14172	16343	18676	_				19077		li		21062
	Probe SEQ ID NO:	7505	7748	7748	8541	8541	9263	9263	9580	10574	10632	10832	11322	11802	11802	13088	3836	3325	8844	12169	11786	323	1001	3168	5477	5841	5866	5866	5889	5889	6884	7206	7206	8012

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	$\Box$	Г	1	Γ	Γ	T	Г				Г	Γ	Γ-	Г	Г	Γ	Г	ı.	£	1 52.00	7	ŕŧ.	1 4		Г	1	)1 ]1	7		Ü	1	6
Top Hit Descriptor	Homo sapiens Bci-2-associated transcription factor short form mRNA, complete cds	Homo sapiens tetretricopeptide repeat domain 3 (TTC3), mRNA	AV698115 GKC Homo saplens cDNA clone GKCAHE11 6'	1748103.91 Soares fetal liver spleen 1NFLS Home saplens cDNA clone IMAGE:2085413	601159415F2 NIH_MGC_53 Hamo saplens cDNA clone IMAGE:3511107 6'	Homo sapiens BCL2-like 2 (BCL2L2) mRNA	Homo sapiens Gardner-Rashoed feline sarooms viral (v-fgr) oncogene homolog (FGR) mRNA	Hamo sapiens Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog (FGR) mRNA	Ith 18h07.x1 NCL_CGAP_Pr28 Homo saplens cDNA clone IMAGE:21186853'	Homo sapiens phosphodiesterase 6A, cGMP-specific, rod, alpha (PDE6A), mRNA	Homo sapiens phosphodiesterase 6A, cGMP-specific, rod, alpha (PDE9A), mRNA	Homo saplens mRNA for Fas-associated factor, FAF1 (Faf1 gene)	Homo sepiens hepatocellular carcinoma-associated antigen 88 (HCA88) mRNA, complete cds	Homo sapiens mRNA for KIAA0937 protein, partial cds	Homo sapiens chloride chemnel OL C4 (CIC4) mRNA, complete cds	Homo sapiens mRNA for Fas-assoclated factor, FAF1 (Faf1 gene)	Homo saplens chromosome 21 segment HS21C006	EST182928 Jurkat T-cells VI Homo sapiens cDNA 6' end similar to 6 imilar to C. elegans hypothetical protein, lossmid 803.03.15	Homo sapiens X transporter protein 3 (XT3), mRNA	Homo sapiens mRNA for KIAA0830 protein, pertial cds	Homo sapiens membrane-associated calcium-independent phospholipase A2 gamma mRNA, complete cds	Homo caplens Rho GTPase activating protein 8 (ARHGAP6), transcript variant 4, mRNA	Homo sapiens Rho GTPase activating protein 6 (ARHGAP8), transcript variant 4, mRNA	Homo saplens retinoblastome-like 1 (p107) (RBL1) mRNA	Homo sapiens hypothetical protein FLJ11008 (FLJ11006), mRNA	Homo sepiens hypothetical protein FLJ20275 (FLJ20275), mRNA	Homo saplens hypothetical protein FLJ20276 (FLJ20275), mRNA	Homo sapiens similar to ATPase, H+ transporting, lyscoomal (vacuolar proton pump) membrane sector	associated protein M&-9 (H. sapiens) (LOC63961), mNNA	H4(D10S170)=putative cycskeletal protein (human, thyroid, mRNA, 3011 nt)	H4(D10S170)=putetive cybskeletal protein [human, thyrold, mRNA, 3011 nt]	BCA_BT0340_440300_048_f40_BT0340_Home_septems_c10NA
Top Hit Database Source	, L	FZ	EST HUMAN	EST HUMAN	EST_HUMAN	Z.	r Z	NT	EST HUMAN	١N	LN	FX	IN	LZ.	LZ-	FZ	±N	NAM! IH TRE	NT	TN	LN	Į.	LN	FZ.	N-I	Z-L	LZ T	,	LN	NT NT	NT	TAYPE OF FUE
Top Hit Acesslon No.	3.0E-79 AF249273.1	10835036 NT	3.0E-79 AV698115.1	2.0E-79 H63129.1	2.0E-79 BE379926.1	4757841 NT	4885234 NT	4885234 NT	2.0E-79 A1523747.1	4585863 NT	4585863 NT	2.0E-79 AJ271408.1	2.0E-79 AF244138.1	2.0E-79 AB023154.1	2.0E-79 AF170492.1	2.0E-79 AJ271408.1	2.0E-79 AL 163208.2	2 0F-79 44312223 1	11181769 NT	20E-79 AB020637.1	2.0E-79 AF263613.1	7382479 NT	7382479 NT	4506442 NT	11427428 NT	8923248 NT	8923248 NT		11432184 NT	\$72869.1	2.0E-79 S72869.1	0.0E 70 DEARAGE 4
Most Similar (Top) Hit BLAST E Value	3.0E-79	3.0E-79	3.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.05-79	2.0E-79	20E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.05-79	2.0E-79	2.0E-79	20.0	2.0E-79	2.0E-79 S72869.1	2.0E-79	107.300
Expression	0.78	0.59	0.62	1.4	1.05	1.14	4.97	4.97	2.13	8.17	6.17	1.35	1.1	1.2	69'0	1.25	0.83	1 08	6.0	1.19	0.69	2.09	2.09	1.1	2.13	0.55	0.55		0.69	1.98	1.98	204
ORF SEQ ID NO:	34961					27186						28527							32340		31519						35588	}			36936	
Exan SEQ ID NO:	1 1		23590	•	,	14124	1	١.		,		15399			17179	1	17946	18980	1	1	18527	1		1	ı	١ .	١.	•	- 1	- 1	23332	
Probe SEQ (D NO:	8358	8003	10555	887	651	951	1007	1007	1060	2216	2216	2266	2387	2780	4023	4280	4813	6788	5844	6373	7100	7317	7317	8282	8714	8965	8965		9205	10297	10297	44284

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					Single	e Exon Probe	Single Exon Probes Expressed in Placenta
Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
11284	24350	37988	2.94	2.0E-79	2.0E-79 BE064386.1	EST_HUMAN	RC4-BT0310-110300-015-f10 BT0310 Homo sapiens cDNA
12208	1			2.0E-79	7682357 NT	LX.	Homo sapiens KIAA0879 prolein (KIAA0879), mRNA
12298	l		2.3	2.05-79	2.0E-79 AB020640.1	LN	Homo sapiens mRNA for KIAA0833 protein, partial cds
12531	25362		3.08	2.0E-79	11418322 NT	ΓN	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA
8718	1		3.28	1.0E-79	1.0E-79 BF363071.1	EST HUMAN	MR0-NIN0087-260600-017-510 NIN0087 Homo saplens cDNA
6833	i	33394	0.65	1.0E-79	1.0E-79 AI613480.1	EST HUMAN	iy37e08.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2281286 3' similar to TR:Q26623 Q26623 TEKTIN C1.;
6833	<u> </u>		0.65	1.0E-79	1.0E-79 AJ613480.1	EST_HUMAN	VoTeOB.XI NCI_CGAP_Ut2 Homo sepiens oDNA clone IMAGE:2281288 3' similar to TR:Q26623 Q26623 TEKTIN C1. :
8439	Ľ		0.0	1.0E-79	1.0E-79 BE394211.1	EST HUMAN	601311517F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3632909 5
11922	ı	38609	1.9	1.0E-79	1.0E-79 BF087405.1	EST HUMAN	QV2-HT0540-120900-358-aD5 HT0540 Homo sapiens cDNA
12328	28107				1.0E-79 AI460115.1	EST HUMAN	ar70a04.x1 Barstead colon HPLRB7 Homo sapiens cDNA clone IMAGE:215143837
3215	ł	29399	6.95	9.0E-80	9.0E-80 AA725848.1	EST_HUMAN	at23e05.s1 Scares_testis_NHT Homo septens cDNA clone 1343648 3'
3215	16389				9.0E-80 AA725848.1	EST_HUMAN	a/23e05.s1 Scares_testis_NHT Homo saptens cDNA clone 1343648 3'
10217	1	36842	1.3	9.0E-80	9.0E-80 BE798603.1	EST HUMAN	601581652F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3936061 5
11554	24609	38288	7.83	9.0E-80	11433924 NT	LZ	Homo sepiens solute carrier family 7 (cationic amino acid transporter, y+ system), member 8 (SLC7A8), mRNA
11554	L	1		9.0E-80	11433924 NT	FZ	Homo sapiens solute carrier family 7 (cattonic amino acid transporter, y+ system), member 8 (SLC7A8), mRNA
3691	16853		1.01	8.0E-80	8.0E-80 U94387.1	Ϊ́ν	Homo sapiens Y chromosome spermatogenesis candidate protein (RBM) pseudogeno mRNA, partial cds
7780	1	34328	2.82	8.0E-80	11422647 NT	-N	Homo sapiens KIAA0724 gene product (KIAA0724), mRNA
7780	20836	34329		8.0E-80	11422647 NT	Ę	Homo sapiens KIAA0724 gene product (KIAA0724), mRNA
9602	1		2.2	8.0E-80	6005921 NT	LN	Homo sapiens triple functional domain (PTPRF Interacting) (TRIO), mRNA
9602		36229			6005924 NT	FZ	Homo sapiens triple functional domain (PTPRF interacting) (TRIO), mRNA
7114	1				7.0E-80 AF127882.1	N-	Callithrix Jacohus offactory receptor (CJA80) gene, partial ods
626	14098		. 0.74		6.0E-80 AI422197.1	EST_HUMAN	#58402.x1 NCI_CGAP_Bin23 Homo sapiens cDNA clone IMAGE:2103459 3' similar to SW:NUEM_HUMAN.
1875	L	27910	2.41	6.0E-80	6.0E-80 U64898.1	L/L	Homo sapiens NRD convertase mRNA, complete cds
2372	1		1.14	6.0E-80	6631094 NT	L	Homo sapiens minichromosome maintenance deficient (S. cerevisiae) 3 (MCM3), mRNA
2372			1.14			NT	Homo sapiens minichromosome maintenance deficient (S. cerevislae) 3 (MCM3), mRNA
5922	[			6.0E-80	11421462 NT	N	Homo sapiens malate dehydrogenase 2, NAD (mitochondrial) (MDH2), mRNA
6200	1		3.35		6.0E-80 AJ404468.1	NT	Homo sapiens mRNA for dynein heavy chain (DNAH9 gene)

Page 387 of 550 Table 4 Single Exon Probes Expressed in Placenta

	<u> </u>												M_HUMAN	SSTT1)				Ĭ					4	1							1-1	similar to
Single Exon Probes Expressed in Pracente	Top Hit Desoriptor	Homo saplens tubby like protein 3 (TULP3), mRNA	Homo sepiens KIAA0941 protein (KIAA0941), mRNA	Homo sapiens dystrophin (DMD) mRNA, complete cds	Homo saplens G protein-coupled receptor 51 (GPR61), mRNA	Homo sapiens G protein-coupled receptor 51 (GPR51), mRNA	Homo sapiens chromosome 21 segment HS21C101	Homo sapiens HSPC146 mRNA, complete cds	Human cone photoreceptor oGMP-phosphodiesterase alpha' subunit gene, axon 21	Homo sapiens brefeldin A-inhibited guanihe nucleotide-exchange protein 1 (BIG1), mRNA	Homo saplens Cyt19 mRNA, complete cds	Homo sapiens N-acetylgtucosamine-phosphats mutase mRNA, complete cds	158d02.X1 NCI_CGAP_Brit23 Homo septens cDNA cione IMAGE::2103459 3' similar to SW:NUEM_HUMAN Q16795 NADH-UBIQUINONE OXIDOREDUCTASE 39 KD SUBUNIT PRECURSOR;	Homo sapiens glutathione S-transferase theta 2 (GSTT2) and glutathions S-transferase theta 1 (GSTT1)	Berros, compare cus Homo sanions CST dana for cerebrosida sulfortansferasa evon 1.2.3.4.5	Home canigns mRNA for sodilim_discose cofrancendar (CCI To gons)	Tollio Septetto III de Contain State Contain C	Homo sapiens proteasome (prosome, macropan) 265 subunt, non-A I Pase, 3 (PSMU3) mKNA	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens serine-threonthe protein kinase (MNBH) mRNA, complete cds	H.sapiens nox1 gene (exon 12)	Homo sapiens chromosome 21 segment HS21C083	Homo sapiens mRNA for KIAA1434 protein, partial ods	Homo sapiens H3 histone family, member J (H3FJ) mRNA	Homo saplens HMT-1 mRNA for beta-1,4 mannosytransferase, complete cds	Homo sapiens HMT-1 mRNA for bete-1,4 mannosyltransferase, complete cds	Homo sapiens chromosome 21 segment HS21C068	Mus musculus keratin complex 2, gene 6g (Krt2-6g), mRNA	HSPD13155 HM3 Homo sepiens aDNA clone s4000045F03	Homo sapiens chromosome 21 segment HS21C010	QV4-BN0263-040600-241-g10 BN0263 Hamo sapiens cDNA	0023612.x1 Sogres_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:1567054 3' similar to TR:035780 036780 PK34;
Exon Prope	Top Hit Database Source						JN.	LN.	NT		LN	NT	EST_HUMAN	H	L	-			5	NT			NT		ΙΝ	NT	LN		EST_HUMAN	トラ	EST_HUMAN	EST HUMAN
aingie	Top Hit Acession No.	11438738 NT	7662393 NT		11526464 NT	11526464 NT	6.0E-80 AL 163301.2	5.1		11427366 NT		8.0E-80 AF102285.1		1 20120101	T	Ī		06228		.1			5.0E-80 AB037855.1	4504292 NT		5.0E-80 AB019038.1	5.0E-80 AL163268.2	9910293 NT		3.0E-80 AL163210.2	3.0E-80 BE817465.1	3.0E-80 Al091675.1
	Most Similar (Top) Hit BLAST E Value	6.0E-80	6.0E-80	8.0E-80 M18633.1	6.0E-80	6.0E-80	6.0E-80/A	6.0E-80 A	6.0E-80 U20211.1	6.0E-80	6.0E-80 ₽	8.0E-80 A	6.0E-80	700 100	O.OE-OU	A 00 20 8	0.05-901	5.0E-80	5.0E-80	5.0E-80 A	5.0E-80 X91647.1	5.0E-80 A	5.0E-80 4	5.0E-80	5.0E-80/A	5.0E-80 A	5.0E-80 A	6.0E-80	4.0E-80 F25915.1	3.0E-80	3.0E-80 E	3.0E-80 A
	Expression Signel	4.07	1.08	0.82	3.4	3.4	1.57	0.85	1,83	2	20.85	1.48	1.75	,	2 22	200	2.09	[-]	1.89	1.89	1.49	2.89	3.51	1.78	6.0	6.0	1.23	1.28	5.03	6.03	2.3	1.78
	ORF SEQ ID NO:	32886		32982	35643	35644	36842		90298	37887	38231	38740	27162		1			1		860/2							31170	35170	36140			32440
	SEQ ID	19628	18571	19619	22103	22103	l '			24252	24656	25034	14098	0.00	1	2044	207			14035	14377	li	15628		17302	17302	18195	21633	22574	13445	18157	19127
	Probe SEQ ID NO:	6359	6402	6452	-8024	9024	9221	9559	10085	11183	11498	12053	12176	0000	12508	40004	2	ģ	858	828	1218	1485	2501	2855	4150	4150	5068	8552	8458	223	5028	5941

Page 388 of 550 Table 4 Single Exon Probes Expressed In Placenta

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Top Hit Descriptor	yg65a08.r1 Soares infant brain TNIB Homo saplens cDNA clone IMAGE:38080 6'	RET4B7 subtracted retina cDNA library Homo sapiens cDNA clone RET4B7	DKFZp434D1323_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434D1323 5'	nn80d01.s1 NCI_CGAP_Cc9 Homo septens cDNA clone IMAGE:1090177 3'	Homo sapiens Golgi transport complex protein (90 kDa) (GTC90), mRNA	yo86f12.r1 Soares Infant brain 1NfB Homo saplens cDNA clone IMAGE:22851 5' similar to SP:K1CR XENLA P08802 KERATIN, TYPE I CYTOSKELETAL ENDO B;	EST376343 MAGE resequences, MAGH Homo sapiens cDNA	Homo sapiens GGT gene, exon 6	zt70f12.r1 Soares, tests_NHT Homo saplens cDNA olone IMAGE:727727 5' similar to TR:G191315 G191315 ANDROGEN-DEPENDENT EXPRESSED PROTEIN.;	Homo sapiens chromosome 21 segment HS21C103	Homo sapiens ohromasome 21 unknawn mRNA	nn01f12.x5 NCI_CGAP_Co9 Homo sapiens cDNA clone IMAGE:1076495 3' similar to contains OFR.t1 OFR	openity control (1)	Homo saciens dulin 4A (COL4A) mknA, complete cas	Homo sapiens PKKY exon /	601274305F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3615433 51	Human pro-alpha1 type II collagen (COL2A1) gene exons 1-54, complete cds	Homo sapiens malate derydrogenase 2, NAD (mitochondrial) (MDH2), nuclear gene encoding mitochondrial protein, mRNA	Homo sapiens mRNA for Ilpophilin B	wq26005.x1 NC  CGAP Kid11 Hamo sapiens cDNA clane IMAGE:2472296 3'	wq25c05.x1 NCI_CGAP_Kld11 Homo saplens cDNA clone IMAGE:2472296 3'	Homo saplens protein tyrosine phosphatase, receptor type, A (PTPRA), mRNA	Homo saplens protein tyrosine phosphatase, receptor type, A (PTPRA), mRNA	Homo sapiens protein tyrosine phosphatase, receptor type, A (PTPRA), mRNA	Homo saplens probable mannose binding C-type lectin DC-SIGNR mRNA, complete cds	Homo sapians probable mannose binding C-type lectin DC-SIGNR mRNA, complete cds	Homo saplens mRNA for KIAA0145 protein, partlal cds	Homo saplens similar to rat myomegalin (LOC64182), mRNA	Homo sapiens similar to rat myomegalin (LOC64182), mRNA	Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA	Homo sapiens gene for AF-8, complete cds
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	EST HUMAN	EST_HUMAN	N-	EST_HUMAN	LX.	NT	FOT LEIMAN	NEWOL 103	2!	LN	EST_HUMAN	LZ	LV	L	EST HUMAN	EST_HUMAN	N	TN	N.	TN	LN	NT	NT	ΤN	TN	NT
Top Hit Acession No.	2.0E-80 R35321.1	2.0E-80 AI444821.1	2.0E-80 AL043116.2	2.0E-80 AA582952.1	11421930 NT	2.0E-80 T75215.1	2.0E-80 AW964270.1	2.0E-80 AJ007379.1	2.0E-80 AA393362.1	1.0E-80 AL163303.2	1.0E-80 AF231920.1	00 00 00 00 00 00 00 00 00 00 00 00 00		-	1.0E-80 Y13932.1	1.0E-80 BE386615.1	1.0E-80 L10347.1	5174540 NT	1.0E-80 A J 224172.1	1.0E-80 AI948731.1	1.0E-80 Al948731.1	11421211 NT	11421211 NT	11421211 NT	1.0E-80 AF245219.1	1.0E-80 AF245219.1	D63479.2	11641276 NT	11641276 NT	11417901 NT	1.0E-80 AB011399.1
Most Similar (Top) Hit BLAST E Value	2.0€-80 6	2.0E-80/	2.0E-80	2.0E-80 /	2.0E-80	2.0F-80	2.0€-80/	2.0E-80	2.0E-80	1.05-80	1.0E-80,	100	1.0E-00.	1.05-80	1.0E-80	1.0E-80	1.05-80	1.05-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80
Expression Signal	4.85	1.57	7.03	0.95	1.89	0.89	121	0.99	6.84	1.62	1.3	,	7,47	0.95	3.32	6.25	6.12	1.17	1.18	8.03	8.03	29.0	0.78	0.76	1.17	1.17	0.7	4.9	4.9	1.32	1.28
ORF SEQ ID NO:	28087	28163		33696				_	37815		27055			30703			32603	33176	L		34297			35515	36104	36105	37284	L		L	
Exan SEQ ID NO:	14987	,	1	20257	j	20479	22435	23009	24181	13561	14001	1	- 3	- 1	18456	18642	19274	19787	L	L	_	21507	!	21976	J _	}	,	1	1	25399	25573
Probe SEQ ID NO:	1841	1908	2116	6944	7053	7401	9360	0266	11109	350	822	3	RODZ	4683	5343	5442	6093	8627	7358	7747	7747	8426	8897	8897	9485	9485	10840	10887	10887	12593	12862

Page 389 of 550 Table 4 Exon Probes Expressed in Pla

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Single Exon Probes Expressed in Placenta	Top Hit Descriptor	qh90g05.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1854296 3'	qh90g05,x1 Soares_NFL_T_GBC_S1 Homo tapiens cDNA done IMAGE:1854296 3'	601310531F1 NIH_MGC_44 Homo sapiens cDNA clone   MAGE:3832070 5'	ze21d10.r1 Soares_fetal_hear_NbHH19W Homo sepiens cDNA clone IMAGE.359835 5' similar to SW.KRHA_RABIT Q02957 KERATIN, GLYCINETTYROSINE-RICH OF HAIR. [1] ;contains element MER22)	repetitive element;	za91c08.x5 Soares_fetal_lung_NbHL19W Homo sapiens cDNA done IMAGE:299918 3'	601111870F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3352840 5	601111970F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3352840 5	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA	EST69129 Fetal lung II Home sapiens cDNA 5' end	602163666F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4294801 5	(802153686F1 NIH_MGC_83 Homo sapiens cDNA clone INAGE:4294601 5'	601125505F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3345480 51	Homo saplens mRNA for KIAA0454 protein, partial cds	Homo sapiens mRNA for KIAA0454 protein, partial cds	Human transforming growth factor-beta (tgf-beta) mRNA, complete cds	A, complete cds		theoler 2.x1 NCL_CGAP_Ov23 Homo sepiens cDNA clone IMAGE:212Z702 3' similar to TR:085560 Q85960)	hn98d02.x1 NCI_CGAP_Co14 Homo septens cDNA clone IMAGE:3035907 3' similar to SW:COPG_BOVIN	P53820 COATOMER GAMMA SUBUNIT;	Homo sapiens mRNA for KIAA1345 protein, partial ods	we90h03.x1 NCI_CGAP_Co3 Homo saplens cDNA clone IMAGE:2505269 3' similer to TR:043815 O43815 4	STRIATIN. ;	Homo sapiens rab3 interacting protein variant 2 mRNA, partial cds	Homo sapiens rab3 interacting protein variant 2 mRNA, partial ods	Homo sapiene calcium channel, vottage-dependent, L type, alpha 2/delta subunit (CACNA2) mRNA	Homo sapiens ets variant gene 1 (ETV1), mRNA	Human mRNA for amyloid A4(751) protein	Human cone photoreceptor cGMP-phosphodiesterase alpha' subunit gene, exons 2 and 3
e Exon Probe	Top Hit Database Source	EST_HUMAN	EST HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	INT	ΝŢ	LN	TN	ĽΝ	NAMILH TRE		EST HUMAN	۲N		EST HUMAN	NT	L	N	TN	NT	N-
Sing	Top Hit Acession No.	8.0E-81 AI251752.1	8.0E-81 AI251752.1	8.0E-81 BE394525.1		7.0E-81 AA011080.1	7.0E-81 AI822115.1	6.0E-81 BE256829.1	6.0E-81 BE256829.1	4501848 NT	4501848 NT	6.0E-81 AA360017.1	6.0E-81 BF678022.1	6.0E-81 BF679022.1			1.1	5.0E-81 M60316.1	5.0E-81 M60316.1	9506634 NT	4 OE-81 AIR21435 1		4.0E-81 AW779612.1	4.0E-81 AB037766.1		4.0E-81 AW004608.1	4.0E-81 AF263306.1	4.0E-81 AF263306.1	4787893 NT	11420544 NT	X05989.1	4.0E-81 U20197.1
	Most Similar (Top) Hit BLAST E Value	8.0E-81	8.0E-81	8.0E-81		7.0E-81	7.0E-81	6.0E-81	6.0E-81	6.0E-81	6.0E-81	6.0E-81	6.0E-81	6.0E-81	5.0E-81	5.0E-81	5.0E-81	5.0E-81	5.0E-81	5.0E-81	4 OF.81		4.0E-81	4.0E-81		4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81 X06989.1	4.0E-81
	Expression Signal	1.93	1.93	6.99		0.94	3.69	3.73	3.73	2.28	2.28	1.24	3.38	3.38	2.98	3.06	3.06	1.25	1.25	1.76	78.0		1.54	3.91		0.89	2.94	2.94	0.91	0.59	2.36	2.2
	ORF SEQ ID NO:	37640	37641	38147		28543	33948	30632	30633	31569	31570	36076		32031		35226	35227	36467	36468	38588	28043		28121	29428		29884	30408	30409	33974	34108	35098	35355
	Exon SEQ ID NO:	24008	24006	24483		15412	20480	17645		18599	1			25495			ı		22888	24871	l		15013	16413			17421	17421		l		ı
	Probe SEQ ID NQ:	10923	10923	11422		2280	7402	4508	4508	5397	5397	9437	12747	12747	2291	8607	8607	9848	9848	11883	720		1867	3239		3718	4276	4276	7427	7559	8482	8742

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Top Hit Descriptor .	Human cone photoreceptor cGMP-phosphodiesterase alpha' subunit gene, exons 2 and 3	Homo sapiens mRNA for Death-associated protein kinase 2, complete cds	Homo saplens ligase I, DNA, ATP-dependent (LIG1), mRNA	Homo papiens acyl-Coenzyme A dehydrogenase family, member 8 (ACAD8), mRNA	Homo saplens acyl-Coenzyme A dehydrogenase family, member 8 (ACAD8), mRNA	Homo sapiens vesicle trafficking protein sec22b (SEC22B) mRNA	Homo sapiens vesicle trafficking protein sec22b (SEC22B) mRNA	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sepiens calcineurin binding protein 1 (KIAA0339), mRNA	Homo sapiens beta-ureidopropionase (LOC51733), mRNA	Homo sapiens beta-ureidopropionase (LOC51733), mRNA	Homo saplens transcobalamin II; macrocytic anemia (TCN2), mRNA	Homo sabiens NF2 gene	Homo sablens NF2 gene	Homo saplens cullin 4A (CUL4A) mRNA, complete cds	Homo sapiens pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1) (PTN) mRNA	Homo sapiens pletotrophin (heparin binding growth factor 8. neurite growth-promojing factor 1) (PTN) mRNA≃	601474072F1 NIH MGC 68 Homo saniens cDNA done IMAGE 3877121 5	601474072F1 NIH MGC 68 Homo sapiens cDNA clone IMAGE:3877121 5'	hg85c01.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2952384 3'	Homo sapiens hypothetical protein (LOC55586), mRNA	hg85c01.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2952384 31	2k45h09.r1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:485825 5' similar to PIR.S52437 S52437 CDR-discolurated sunthases_fmit flv.	ta45c04.yr NCI CGAP Brn52 Homo sapiens cDNA done IMAGE:2291526 5	Homo saplens chromosome 12 open reading frame 3 (C12ORF3), mRNA	Human aconitate hydratase (ACO2) gene, exon 3	Homo sapiens polymerace (DNA directed), gamma (POLG), mRNA	Homo sapiens polymerase (DNA directed), gamma (POLG), mRNA	285406.r1 Soares NhHMPu_S1 Homo sapiens cDNA clone IMAGE:682475 5' similar to SW:PRI2_HUMAN P49643 DNA PRIMASE 58 KD SUBUNIT:	Homo sapiens arm-repeat protein NPRAP/neurojungin (CTNND2) mRNA, partial cds	
Top Hit Database Source	LN LN	Z	Į.	NT LN	LN LN	LZ LZ	Ę	N-	F		N F	Ę	TN	FZ	¥			HUMAN	Τ	THOMAN		EST_HUMAN	HEST HIMAN	Т			-N	N	EST HUMAN	NT	
Top Hit Acession No.	J20197.1	4.0E-81 AB018001.1	11425281 NT	11439065 NT	11439065 NT	4759085 NT	4759085 NT	11417862 NT	11417862 NT	11417871 NT	11417871 NT	11417974 NT			3.0E-81 AF077188.1	4506280 NT	4506280 INT	2 0F-81 BF 784636 1	2.0E-81 BE784636.1	2.0E-81 AW611542.1	TN 683839 NT	2.0E-81 AW611542.1	1.0E-81 AA040370 1	1.0E-81 BE047996.1	9986844 NT		11432966 NT	11432968 NT	1.0E-81 AA255569.1		
Most Similar (Top) Hit BLAST E Value	4.0E-81 U20197.1	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	3.0E-81 Y18000.1	3.0E-81 Y18000.1	3.0E-81	3.0E-81	3.0E-81	2 0F-81	2.0E-81	2.0E-81	2.0E-81	2.0E-81	1.05	1.05-81	1.0E-81	1.0E-81 U87928.1	1.0E-81	1.0E-81	1.0E-81	1.0E-81 U52351.1	
Expression Signal	2.2	3.35	1.4	0.65	99'0	4.74	4.74	8.38	8.38	1.63	1.63	4.21	90.6	90'6	1.72	6.11	6.11	2.29	2.29	9.0	0.69	5.68	2.86	9.54	9.0	6.18	3.8	3.8	0.76	3.18	
ORF SEQ. ID NO:	35356	36057				38189					32010	31978	27516	27517	28701	29250	29251	29090			34746	30031	30754	1	31331	38821	31648	31649		32284	
Exon SEQ ID NO:	21821	ı	23341			24520	24520	26039	26039	25632		25623	l	14452	15572	16231	16231	ı	1		21226	17032	17774	17903	18383	1		18569	18813	18963	
Probe SEQ ID NO:	8742	9427	10306	10374	10374	11461	11461	12200	12200	12796	12796	12956	1296	1286	2444	3055	3055	2894	2894	3873	8144	13129	4638	4768	5241	5351	5469	5489	5619	5771	

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Table 4
Single Exon Probes Expressed in Placenta

Single Exon Probes Expressed in Placenta	Most Similar Top Hit Acection (Top) Hit Top Hit Acection Signal BLASTE No. Source Source	3.18 1.0E-81 U62351.1 NT Homo sapiens am-repect protein NPRAP/neurojungin (CTNND2) mRNA, partial cds	1.81 1.0E-81 BF674641.1 EST_HUMAN   602137864F1 NIH_MGC_83 Homo septens cDNA clone IMAGE:4274535 5'	1.09 1.0E-81 AJ133269.1 NT (2) AV2 (exons 1, 2a, and 2b), CAV1 (exons 1 and 2b), CAV1 (exon	7.94 1.0E-81 11432966 NT Homo saplens polymerse (DNA directed), gamma (POLG), mRNA	1.0E-81 AJ250408.1 NT	1.0E-81 BES68278.1 EST_HUMAN	1.0E-81 BE958278.1 EST_HUMAN	5.13 1.0E-81/BE564367.1   EST_HUMAN   601343180F1 NIH_MGC_63 Homo septens QDNA clone IMAGE:3686483 5'	1.0E-81 AA630784.1 EST_HUMAN	1.0E-81 BE744645.1 EST_HUMAN	EST_HUMAN	EST_HUMAN	0.49 1.0E-81 AW250322.1 EST_HUMAN [2822127.5prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2822127 5	1.0E-81 8923698 NT	1.0E-81 AW844986.1 EST_HUMAN	П	1.0E-81 AW798167.1   EST_HUMAN	1.0E-81 AW798167.1 EST HUMAN	1.0E-81 AW960658.1 EST_HUMAN	BF204253.1 EST_HUMAN	1.0E-81 11418138 NT	8.0E-82 AF161406.1 NT	I.1 NT	8.0E-82 U08988.1 NT	8.0E-82 U08988.1 NT	8.0E-82 U08988.1 NT	2.24 8.0E-82 AB037748.1 NT Home suplens mRNA for KIAA1327 protein, partial cds	Homo saplens glutathlone peroxidase 5 (epididymal androgen-related protein) (GPX5), transcript variant 2, and a notice of 15601 NT mRNA	
		1.0E-81	1.0E-81 BF6746										1.0E-81 AW897																	
	<u>ш</u>																													
	ORF SEO		48 32797	33439					11 36804					37519								32085			92 28523	15 27070		73 27755	70870	
	Probe Exon SEQ ID SEQ ID NO: NO:	7771 18983	6274 19448	6877 20029	949 20889	ł	łI		10174 23211	 _1	- 1	10310 23345		10864 23896	11182 24251				11352 24414			12417 25295		H	274 13482	837 14015	910 14085	1520 14673	1690 14842	

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Table 4
Single Exon Probes Expressed in Placenta

i					,		
Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acessian No.	Top Hit Database Source	Top Hit Descriptor
1481			1,18		7.0E-82 BF035327.1	EST HUMAN	601458531F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE;3862086 5'
2825		28049		7.0E-82	7.0E-82 AU144050.1	EST_HUMAN	AU144050 HEMBA1 Homo sapiens cDNA clone HEMBA10007523'
1705	14857	27944	22.54	4.0E-82	4.0E-82 AF081484.1	TN	Homo sapiens alpha-tubulin isoform 1 mRNA, complete cds
5613	)	31874	78.0	4.0E-82	4.0E-82 BF351691.1	EST_HUMAN	QV2-HT0540-120900-362-108 HT0540 Homo sapiens cDNA
5613	•	31875	0.87	4.0E-82	4.0E-82 BF351691.1	EST_HUMAN	QV2-HT0540-120900-362-f08 HT0540 Homo sapiens cDNA
5878	15066			4.0E-82	4.0E-82 M25833.1	TN	Human von Willebrand factor gene, exon 9
12016	25000	38702	1.2.7	4.0E-82	4.0E-82 A1937300.1	EST HUMAN	wp75e09.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2467624 3' similar to TR:O75276 075276 PKD1 :
12683	25455			4.0E-82	4.0E-82 AF029701.2	LN	Homo sapiens presentlin-1 gene, exons 1 and 2
288	13506		15.3	3.0E-82	4502166 NT	IN⊤	Homo sapiens amyldid beta (A4) precursor protein (protease nextn-ll, Alzheimer disease) (APP), mRNA
721	13903		2.5	3.0E-82	3.0E-82 BE005705.1	EST_HUMAN	RC2-BN0120-010400-013-f02 BN0120 Homo sapiens cDNA
810	13989	27043		3.0E-82	5174702 NT	LN	Homo saplens transforming growth factor beta-activated kinase-binding protein 1 (TAB1), mRNA
893	14069	27134	5.31	3.0E-82	4502166 NT	LN.	Homo sapiens amyloid beta (A4) precursor protein (protease neodn-II, Alzheimer disease) (APP), mRNA
1086	14252		15.73	3.0E-82	3.0E-82 AA725848.1	EST HUMAN	al23e05.s1 Scares_testis_NHT Homo sapiens cDNA clone 1343648 31
1386	14541	27617			3.0E-82 AW875073.1	EST HUMAN	RC8-PT0001-190100-021-B02 PT0001 Homo sapiens cDNA
1494	14847	27729	5.59		3.0E-82 AL163285.2	TN	Homo saplens chromosome 21 segment HS21C085
1950	15093	28194			3.0E-82 BE813232.1	EST_HUMAN	RC1-BN0005-260700-018-g04 BN0005 Homo sapiens cDNA
2062	15202	28318	1.11	3.0E-82	4501922 NT	ĹΝ	Homo sepiens adenylate cyclase activating polypeptide 1 (pituitary) receptor type I (ADCYAP1R1) mRNA
3345	16518		2.42	3.0E-82		NT	Homo sapiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2) mRNA
8346	21427					NT	Homo sapiens ankyrin-like with transmembrane domains 1 (ANKTM1), mRNA
8753	21832			3.0E-82	11432889 NT	LN	Hono saplens contactin 6 (CNTN6), mRNA
8753	21832	38372	68.0		11432889 NT	NT	Homo sapiens contactin 6 (CNTN6), mRNA
10029					3.0E-82 AB029000.1	NT	Homo sapiens mRNA for KIAA1077 protein, partial cds
10029					3.0E-82 AB029000.1	TN	Homo sapiens mRNA for KIAA1077 protein, partial cds
610	1		2.49		2.0E-82 AB023216.1	IN	Homo sapiens mRNA for KIAA0999 protein, partial cds
610	13799				2.0E-82 AB023216.1	LN	Homo sapiens mRNA for KIAA0999 protein, partial cds
1720	14870	27962	2.23		2.0E-82 ALD 46390.1	EST_HUMAN	DKFZp434M117_r1 434 (synonym: htes3) Homo sapiens cDNA olone DKFZp434M117 5'
3949	17107				2.0E-82 D87675.1	LN	Homo sapiens DNA for amyloid precursor protein, complete cds
4131	17284				U76833.1	TN	Human integral membrane serine protease Seprase mRNA, complete cds
4348	17491		6.0		4504116 NT	NT	Homo sapiens glutamate receptor, ionotropio, keinate 1 (GRIK1) mRNA
4680	17815	30803	1.52		2.0E-82 AB029019.1	L	Homo sapiens mRNA for KIAA1096 protein, partial cds

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Sligie Extit Flobes Expressed in Placenta	Top Hit Descriptor	Homo saplens mRNA for KIAA1096 protein, partial cds	Homo sapiens whsort (WBSCR1) and whsors (WBSCR5) genes, complete cds, alternatively spliced and realization factor C winnert 2 (REC2) was complete and	Home capiers from percess factor recentor curadamity member 8 (TMERNES) mRNA	Home sapiens tumor necrosis fector receptor superiamity, member 5 (TNFRSES) mRNA	Homo sapiens mRNA for KIAA0727 protein, partial cds	Homo sapiens FAM4A1 splice variant a (FAM4A1) mRNA, complete cds	tm21g05.x1 Scares_NFL_T_GBC_S1 Homo sapiens cDNA clone (MAGE:2157272.3)	Homo sapiens hypothetical protein FLJ20128 (FLJ20128), mRNA	Homo sapiens slit (Drosophila) homolog 3 (SLIT3), mRNA	Homo saplens microrchidia (mouse) homolog (MORC), mRNA	Homo sapieno microrchidia (mouse) homolog (MORC), mRNA	Human endogenous retrovirus-K, LTR U5 and gag gene	Human endogenous retrovirus-K, LTR U5 and gag gene	Homo sapiens leucy/cystiny/ aminopeptidase (LNPEP), mRNA	Homo sepiens leucy/loystinyl aminopeptidase (LNPEP), mRNA	Homo sepiens CAGF9 mRNA, partel ods	Homo sapiens CAGF9 mRNA, partial cds	2b31d10.s1 Soares_parathyroid_tumor_NbHPA Homo saplens cDNA clone IMAGE:306203 3	zi01g09.r1 Soares_fetal_fiver_spleen_1NFLS_S1 Homo saplens cDNA clone IMAGE:429568 67	Homo sapiens melanoma differentiation associated protein-5 (MDA5), mRNA	601510859F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3912207 61	RC4-BT0310-110300-015-110 BT0310 Homo saplens cDNA	Homo sapiens mRNA for KIAA0538 protein, partial cds	Homo saplens mRNA for KIAA1417 protein, partial cds	Homo sapiens mRNA for KIAA0862 protein, partial cds	UI-H-BW1-ace-f-03-0-UI.s1 NCI_CGAP_Sub7 Homo septens cDNA clane IMAGE:3084053 3'	Homo sapiens chromosome 21 segment HS21C009	Homo sapiena chromosome 21 segment HS21C046	Homo saplens mannosidese, beta A, lysosomal (MANBA) gene, and ublquitin-conjugating enzyme E2D 3	(UBE2D3) genes, complete cds	802150403F1 NIH_MGC_81 Homo sapiens cDNA clone IMAGE:4291581 5'	801117180F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3357734 5/	601273346F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3614362 61
פרחון בוחדים פ	Top Hit Database Source	FZ	F		Į.	LN	LN	EST_HUMAN	TN	NT	FX	ĽN	NT	FZ	LN.	FZ	FX	LN	EST_HUMAN	EST HUMAN	LN.	EST_HUMAN	EST_HUMAN	LZ	NT	LN	EST HUMAN	FZ	NT		LN.	EST_HUMAN	EST HUMAN	EST HUMAN
Billo	Top Hit Acession No.	2.0E-82 AB029019.1	2 0E 82 A E046666 4	07580	4507580 NT	2.0E-82 AB018270.1		2.0E-82 A1476428.1	8923130 NT	11321570 NT	7857340 NT	7657340 NT			11417191 NT	11417191 NT			194950.1	2.0E-82 AA011278.1	15921	1.0E-82 BE886106.1	1.0E-82 BE084386.1	1.0E-82 AB011110.2		1.0E-82 AB014562.1	1.0E-82 BF515938.1	AL163209.2	1.0E-82 AL163246.2					8.0E-83 BE383973.1
	Most Similar (Top) Hit BLAST E Value	2.0E-82/	) ca 30 c	2.0E-821	205-82	205-82/	2.0E-82/	2.0E-82/	2.0E-82	2.0E-82	2.0E-82	2.0E-82	2.0E-82 Y08032.1	2.0E-82 Y08032.1	2.0E-82	2.0E-82	2.0E-82 U80736.1	2,0E-82 U80736.1	2.0E-82 N94950.1	2.0E-82	1.0E-82	1.05-82	1.0E-82	1.0E-82	1.0E-82	1.0E-82	1.0E-82	1.0E-82	1.0E-82		9.0E-83	9.0E-83 E	9.0E-83	8.0E-83[E
	Expression Signal	1.62	c	7.00 F.80	1.56	2.89	4.63	1.19	0.8	1.81	0.58	0.58	1.16	1.18	1.74	1.74	2.6	2.6	2.81	3.72	1.69	3.19	1.38	0.8	0.0	0.51	1.4	2.49	1.49		1.05	4.99	0.72	2.97
	ORF SEQ ID NO:	30804	34400				32832									38280		38323			20813		27536	27637	35765			37698			1			27676
	Exen SEQ ID NO:	17815	40404	1	18313	18782	19477	28222	21038	1		21948		23350		24603	24641	1	26177	25545	. '	14394	14470	14471		1 1	23486	l l	24327	<u>l_</u>	1	)	1	14599
	Probe SEQ ID NO:	4680	7000	7,07	5484	5587	6304	7858	7988	8500	8869	8869	10315	10315	11547	11547	11588	11588	12230	12818	805	1235	1314	1315	9143	9853	10451	10984	11258		5307	8912	10481	1446

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Γ			П	$\overline{}$	$\neg$	_	7		7	_	7	丁	7		_	7	7	٦				brt-	7	14	*	7	П		nd be	7	Harri	/1t 4	F
	Тор Hit Descriptor	za48f12.s1 Scares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:285823 3'	QV4-LT0016-271299-068-h11 LT0016 Homo sapiens cDNA	no12h01.s1 NOL_CGAP_Phe1 Homo sapiens cDNA clone IMAGE:1100497 3' similar to contains Alu	repetitive element;	7p37a07,x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:3647893 3' similar to TR:Q9Y3I6 Q9Y3I6	DJ207H1.1;	Homo sapiens KIAA0100 gene product (KIAA0100), mRNA	Human platelet Glycoprotein IIb (GPIIb) gene, exons 2-29	h31h03.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2933525 3' similar to	SWIYBEB HAEIN P44471 HYPOTHETICAL PROTEIN HIDDS 4.:	QV4-ST0234-181199-037-105 ST0234 Homo seplens cDNA	Home saplans chromosome 21 unknown mRNA	Homo sapiens hypothetical protein FLJ10379 (FLJ10379), mRNA	Homo saplens VAMP (vesicle-associated membrane protein)-associated protein A (33kD) (VAPA) mRNA,	and translated products	Homo sapiens hyperion gene, exons 1-50	Homo sapiens met proto-oncogene (hepatocyte growth factor receptor) (MET), mRNA	Homo saplens myomesin (M-protein) 2 (169kD) (MYOM2), mRNA	Homo sapiens pre-mRNA splicing factor similar to S. cerevisiae Prp18 (PRP18), mRNA	Homo sapiens pre-mRNA splicing factor similar to S. cerevisiae Prp18 (PRP18), mRNA	ab14e10.s1 Stratagene lung (#837210) Homo saplens oDNA clone IMAGE:840810 3' similar to contains. THE 22 THE senditine clonest.	Home saniens distribute Schausferase theta 2 (GSTT2) and clutathione Schausferase theta 1 (GSTT1)	genes, complete cds	Human succinate dehydrogenase iron-protein subunit (sdhB) gene, exon 5	Homo sapiens 26S proteasome regulatory subunit (SUG2) mRNA, complete cds	Novel human gene mapping to chomosome X	Homo sapiens deoxyribonuciease I (DNASE1), mRNA	Homo sepiens chromosome 21 segment HS21C010	Homo sapiens catalese (CAT) mRNA	Homo sapiens catalase (CAT) mRNA	Homo sapiens mannosidase, beta A, Iysosomal (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3 (UBE2D3) genes, complete cds	EST79542 Placenta I Homo saplens cDNA similar to similar to endogenous retrovirus ERV9
	Top Hit Database Source	EST HUMAN	EST_HUMAN		EST_HUMAN		EST_HUMAN	۲	N⊤		EST HUMAN	EST HUMAN	TN	N		ΝΤ	NT	Ą	ΙN	LN LN	Z.	NOTE OF LOS	NUMBER OF THE PERSON	ᅜ	ΝΤ	LN.	Ę	١	LΝ	TN	N	Ę	EST HUMAN
,	Top Hit Acession No.		7.0E-83 AW385529.1	Γ	7.0E-83 AA584655.1		7.0E-83 BF221813.1	11428657 NT	6.0E-83 M33320.1		6.0E-83 AW 573088.1	6.0E-83 AW816405.1	6.0E-83 AF231919.1	11430241 NT		4507888 NT	6.0E-83 AJ010770.1	11422024 NT	4505314 NT	11430647 NT	11430647/NT	00 00 00 00 00 00 00 00 00 00 00 00 00	A4400 100. 1	6.0E-83 AF240786.1	5.0E-83 U17883.1	5.0E-83 AF006305.1	5.0E-83 AL133207.2	TN 061984	5.0E-83 AL163210.2	4557013 NT	4557013 NT	4.0E-83 AF224669.1	
	Most Similar (Top) Hit BLAST E Value	8.0E-83 N66951.1	7.0E-83		7.0E-83		7.0E-83	7.0E-83	6.0E-83		6.0E-83	6.0E-83	6.0E-83	6.0E-83		6.0E-83	6.05-83	6.0E-83	6.0E-83	6.0E-83	6.0E-83	00 10 0	20-20-0	6.0E-83	5.0E-83	5.0E-83	5.0E-83	5.0E-83	5.0E-83	5.0E-83	5.0E-83	4.0E-83	
	Expression Signal	10.59	1.2		1.64		6.85	0.95	1.39		1.79	0.68	0.7	0.92		1.73	1.31	2	3.51	0.71	0.71	100	10.2	4.14	1.24	9	0.91	0.73	0.61	13.87	13.87	187	4 09
	ORF SEQ ID NO:	27956						32699	26650		1	29277		29828		31582	32669			36604							29893	30180	L		31279		1
	Exen SEQ ID NO:	15992	1	1	16105		18066	18352	13811			16258	16292	16816		18610	19324	20737	$\mathbf{l}_{-}$	23010	23010	1 8	Z4510	25139		15998	16889	Ĺ	L	L	18312		1
	Probe SEQ ID NO:	1716	1388		2928		4936	6176	416		1828	3082	3116	3663		5408	6147	7671	9878	9971	1768	1	11871	12179	696	2108	3728	4015	4554	5190	5190	657	1022

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Oligie Caul Flores Explosed III Flacella	Top Hit Descriptor	np87-07.s1 NCI_CGAP_Thy1 Homo sapiens cDNA clone IMAGE:1133292 sImilar to contains THR.t2 THR repetitive element;	q173e06.x1 Soares_testis_NHT Hamo sapiens cDNA clane IMAGE:17556823'	o/84g05.s1 Soares, testis_NHT Homo septens cDNA clone IMAGE:1621592.3' similar to TR:Q92814 CQ92814 MYELOBLAST KIAA0216.;	ot84g05.s1 Scares, tests, NHT Homo septens CDNA clone IMAGE:1621582 3' similar to TR:092814 C02614 MYEL OBLAST KIAA0216.	Za48f12.s1 Scares fetal liver spleen 1NPLS Homo sepiens cDNA clone IMAGE: 295823 3'	Homo sapiens mRNA for KIAA1272 protein, partial cds	RC6-ET0046-280600-013-H12 ET0046 Homo saplens cDNA	Homo sapiens sal (Drosophila)-ilke 1 (SALL1), mRNA	Homo sapiens chromosome 21 segment HS21C002	Homo sapiens hematopoletic progenilor cell antipen CD34 precursor (CD34) mRNA, partial ode	Homo saplens ankyrin repeat-containing protein ASB-2 (LOC51676), mRNA	Homo saplens ankyrin repeat-containing protein ASB-2 (LOCS1676), mRNA	Human carcinoembryonic antigen gene family member 18 (CGM18) gene, exons A1 and B1	Homo saplens membrane protein CH1 (CH1), mRNA	601507482F1 NIH_MGC_71 Homo saplens cDNA clone IMAGE:3909068 5	Homo sapiens F-box protein Fbl3b (FBL3B) mRNA, partial cds	Homo sapiens F-box protein Fbl3b (FBL3B) mRNA, partial cds	601822090F1 NiH_MGC_75 Homo sapiens cDNA clone IMAGE:4042318 5	Homo caplens mRNA for brain ryanodine receptor, complete cds	Homo saplens mRNA for brain ryanodine receptor, complete cds	Ratus norvegicus densin-180 mRNA, complete cds	Homo saplens protein kinase CK2 catalytic subunit alpha gene, exon 1	Homo saplens protein kinase CK2 catalytic subunit alpha gene, exon 1	Homo sapiens phosphorylase kinase, gamma 1 (muscle) (PHKG1) mRNA	Homo sapiens phosphorylase kinase, gamma 1 (muscle) (PHKG1) mRNA	Human neural cell adhesion molecule (N-CAM) secreted isoform mRNA, 3' and	Human neural cell adhesion molecule (N-CAM) secreted isoform mRNA, 3' end	AU117659 HEMBA1 Homo sapiens cDNA clone HEMBA1001910 6'	UI-HF-BNO-amd-h-07-0-UI:11 NIH_MGC_50 Hamo sepiens cDNA clone IMAGE:3081852 6	Homo saplens KIAA0985 protein (KIAA0985), mRNA	DKFZp547J135_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547J135 6
בייטון דוטט	Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	FZ	EST_HUMAN	ΙN	Į.	TN	LN.	Ę	NT	١	EST HUMAN	TN	LN.	EST HUMAN	TN	IN	LN	NT	TN	LN	LN	L	FZ	EST_HUMAN	EST HUMAN	TN	EST HUMAN
Bulb	Top Hit Acession No.	3.0E-83 AA632654.1	3.0E-83 AI217223.1	2.0E-83 AA983492.1	2.0E-83 AA693492.1	2.0E-83 N66961.1	2.0E-83 AB033098.1	2.0E-83 BE828694.1	11430834 NT		2.0E-83 AF202879.1	TN6398 NT	7706398 NT	2.0E-83 U06679.1	11428081 NT	2.0E-83 BE885401.1	2.0E-83 AF129533.1	2.0E-83 AF129533.1	2.0E-83 BF105097.1	2.0E-83 AB001025.1	5.1			2.0E-83 AF011920.1	5453881 NT	5453881 NT	2.0E-83 M22094.1	2.0E-83 M22094.1	2.0E-83 AU117659.1	2.0E-83 AW 505600.1	11436448 NT	2.0E-83 AL134452.1
	Most Similar (Top) Hit BLAST E Value	3.0E-83	3.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83
	Expression Signal	1.6	0.82	1.37	1.37	9.11	1.57	1.33	2.18	0.94	4.95	3.19	3 19	0.91	79.0	1.2	0.72	5.15	0.58	0.63	0.63	1.46	2.62	2.52	0.54	0.54	3.2	3.2	1.35	0.78	3.24	1.64
	ORF SEQ ID NO:			28089	28090	28222		29103			92908				32468	32597	33448		34548			34779		35126			36866	36867	36967	37034		37870
	SEQ ID NO:	15951	10866	14989	14989	15121	15384	16091	16515	17033	17596	17810	17910		19153	1	20037	20664	21038	21109				21590		22833	ŀ	1	١ ا	23427	24160	24239
	Probe SEQ (D NO:	2837	6708	1843	1843	1978	2251	2913	3342	3874	4458	4776	4775	5385	5967	9809	6885	7593	7887	8028	8028	8175	8509	8209	9783	9793	10240	10240	10322	10392	11086	11168

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Single Exon Probes Expressed in Placenta

Homo sapiens hydroxyacył-Coenzyme A dehydrogenase/3-ketoacy/-Coenzyme A thiolase/enoyl-Coenzyme A Homo sapiens tydroxyacyt-Coenzyme A detydrogenase/34etoacyt-Coenzyme A thiolase/enoyt-Coenzyme A tydratase (trifunctional protein), beta subunit (HADHB) mRNA 601676023F1 NIH\_MGC\_21 Homo sapiens cDNA clone IMAGE:3958853 6°
RC2-FN0119-200800-011-g05 FN0119 Homo sapiens cDNA
RC2-FN0119-200600-011-g05 FN0119 Homo sapiens cDNA
ae85e03.s1 Stratagene schizz brain S11 Homo sapiens cDNA clone IMAGE:971020 3°
DKFZp434H0322\_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434H0322\_r1 GBC\_S1 Homo sapiens cDNA clone MAGE:1460500 3° similar to gb:M14338
VITAMIN K-DEPENDENT PROTEIN S PRECURSOR (HUMAN); Homo capiens amyloid beta (A4) precursor protain (protease nextn-II, Alzheimer discease) (APP), mRNA ov89608.x1 Soeres\_testis\_NHT Homo sapiens cDNA clone IMAGE:1645431.3' similar to gb:M64241 QM 2439907.11 Stratagere hNT neuron (#937233) Homo sapiens cDNA clone IMAGE:632100 5' similar to TR:0483915 G483915 RETROTRANSPOSABLE L1 ELEMENT LRE2 FROM CHROMOSOME 10.; Homo sapiens acety LDL receptor, SREC=scavenger receptor expressed by endothelial cells (SREC), mRNA Homo sapiens acetyl LDL receptor; SREC=scavenger receptor expressed by endothellal cells (SREC), DKFZp547J135\_r1 547 (synanym: hfbr1) Homo sapiens cDNA clone DKFZp547J135 5' Homo sapiens fathy-acid-Coenzyme A ligase, very long-chain 1 (FACVL1) mRNA 601507375F1 NIH\_MGC\_71 Homo sapiens cDNA clone IMAGE:3908764 5° Homo sapiens cell recognition molecule Caspr2 (KIAA0868), mRNA Rattus norvegicus brain specific cortactin-binding protein CBP90 mRNA, partial cds H.seplens gene for mitochondrial dodecenoyl-CoA delte isomerase, exon 3 Homo saplens pre-mRNA splicing factor (PRP16) mRNA, complete cds Top Hit Descriptor hydratase (trifunctional protein), beta subunit (HADHB) mRNA PM0-LT0019-190600-004-F02 LT0019 Homo sapiens cDNA PM4-F10054-160500-004-e10 F10054 Homo saplens cDNA EST96094 Tests I Homo saplens cDNA 5' end Homo sapiens chromosome 3 subtelomeric region Homo sapiens gene for AF-6, complete cds PROTEIN (HUMAN); mRNA EST HUMAN EST HUMAN EST HUMAN EST HUMAN 11428718 NT 371.1 EST HUMAN EST\_HUMAN EST HUMAN EST\_HUMAN HUMAN EST\_HUMAN Top Hit Database Source 11426718 NT 눌 4604326 NT 4504326 NT 450216B NT Top Hit Acession No. 4503652 6.0E-84 BE810371.1 6.0E-84 AF038391.1 6.0E-84 BE770199.1 5.0E-84 AA382811.1 5.0E-84 AF109718.1 1,0E-63 A1027614,1 7,0E-84 BE901209.1 6,0E-84 BE838894.1 6,0E-84 AA776574.1 6,0E-84 AA776574.1 AF053768.1 Z25822.1 2.0E-83 AL134452.1 2.0E-83 AB011399.1 BE883690.1 5.0E-84 AA167678.1 6.0E-84 AA897339.1 1.0E-83 1.0E-83 1.0E-83 1.0E-83 1.0E-83 6.0E-84 1.0E-83 1.0E-83 (Top) Hii BLAST E Value 6.0E-84 1.59 2.96 17.98 98 4 5 3.26 0.62 2.26 1.15 1.24 2.22 2.22 25 2 2.26 2.74 1.91 0.99 Expression Signal ORF SEQ ID NO: 27674 28335 28951 29443 30132 30484 31905 34190 32756 27873 31111 32273 32274 33397 15216 15840 SEQ ID 19407 24239 14597 18137 19988 14479 15598 18829 18969 18969 14597 18481 3079 3079 6232 Probe SEQ ID 5008 6835 5635 12859 3897 1323 2471 2076 2722 3251 3972 4359 5777 44 5777 ğ

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Top Hit Descriptor	Homo sapiens regulatory factor X, 3 (influences HLA class il expression) (REX3), mRNA	Homo sapiens mRNA for KIAA1131 protein, partial cds	Homo seplens mRNA for KIAA1131 protein, partial cds	Homo saplens mRNA for KIAA1314 protein, partial cds.	wa/6c04.x1 Soares_NFL_T_GBC_S1 Homo septens cDNA clone IMAGE::2302086 3' stmitar to SW:NRDC_HUMAN 043847 NARDILYSIN PRECJIRSOR .	Homo sapiens polymerase (DNA-directed), alpha (70kD) (POI A2), mBNA	Homo saplens myosin light chain kinase isoform 2 (MLCK) mRNA, complete cds	Homo sapiens multidrug resistance protein (MRP), excn 13	Homo saplens protein tyrosine phosphatase, receptor type, G (PTPRG), mRNA	Homo sapiens protein tyrosine phosphatase, receptor type, G (PTPRG), mRNA	Homo sapiens historie deacet/lase 3 (HDAC3) gene. complete cd3	Homo sapiens KIAA0783 gene product (KIAA0783), mRNA	Homo sapiens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2) mRNA	Homo sapiens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2) mRNA	Homo sapiens mRNA for KIAA1130 protein, partial cds	Homo sapiens Bacht protein homolog mRNA, partial cds	Hamo saplens chondroitin sulfate proteoglycan 2 (versican) (CSPG2) mRNA	Homo sapiens pericentriolar material 1 (PCM1) mRNA	Novel human mRNA containing Zinc finger C2H2 type domains	Homo sapiens X-linked Juvenile retinoschisis precursor protein (XLRS1) mRNA, complete ods	wu20405.x1 Soares_Dieckgraafe_colon_NHCD Homo sapiens cDNA clone IMAGE:2520585 3' similar to	SATISTICS OF THE CONTROL OF THE LIST (TOWNING).  CM1-BT0795-190600-272-508 BT0795 Home seniors CDNA	CM1-BT0795-190600-272-b08 BT0795 Homo sapiens cDNA	Homo sapiens myelin transcription factor 1-like (MYT14) mRNA, complete cds	H. sapiens DNA for endogenous retroviral like element	UI-H-BI4-aol-a-02-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens oDNA clone IMAGE:3084963.31	UI-H-Bi4-aol-a-02-0-UI.s1 NCI_CGAP_Sub8 Homo saplens cDNA clone IMAGE:3084963 3'	y56e11.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:208324.31	qm87c09.x1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1895728 31	Hamo sapiens chromosome 21 segment HS21C004	Homo sapiens chromosome 21 segment HS210004	AU120280 HEMBB1 Homo septiens cDNA clone HEMBR1000330 F
Top Hit Database Source	ĻΝ	LN	LN	TN	EST HUMAN	Į.	N.	. 1	۲	Į.	F	FN	F	FN	IN	LN	LZ.	Ł	FX	NT	MAANI III TOD	EST HUMAN	EST HUMAN	N	LZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	T_HUMAN		LN LN	EST HUMAN
Top Hit Acession No.	11428740 NT	5.0E-84 AB032957.1	5.0E-84 AB032957.1	4.0E-84 AB037735.1		05928	4.0E-84 AF069601.2	4.0E-84 AF022835.1	11386168 NT	11386168 NT	4.0E-84 AF059650.1	11421326 NT	4557526 NT	4557526 NT		3.0E-84 AF026200.1	4758081 NT	5453855 NT	3.0E-84 AL096880.1	3.0E-84 AF014459.1	3 0F-84 A 1083804 4		2.0E-84 BE695397.1	2.0E-84 AF036943.1		2				2.0E-84 AL163204.2		2.0E-84 AU120280.1
Most Similar (Top) Hit BLAST E Value	5.0E-84	6.0E-84	5.0E-84 /	4.0E-84	4.0E-84	4.0E-84	4.0E-84 /	4.0E-84 /	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	3.0E-84	3.0E-84	3.0E-84	3.0E-84 A	3.0E-84 A	3.05-84.0	2.0E-84	2.0E-84 B	2.0E-84 A	2.0E-84 X89211.1	2.0E-84 B	2.0E-84 B	2.0E-84 H63370.1	2.0E-84 A1298674.1	2.0E-84 A	2.0E-84 A	2.0E-84 A
Expression Signal	2.85	1.99	1.99	1.34	4.47	99.0	1.52	1.62	1.8	1.8	2.14	13.68	1.12	1.12	4.76	2.16	1.53	2.39	2.38	5.53	87.8	6.48	6.46	9.21	1.22	0.93	0.93	0.92	1.55	0.58	0.58	1.24
ORF SEQ ID NO:	38516			27635	27672	31167				32163						26572			28319			28435	28436	29209	29226	31914	31915	33325		35200	35201	36179
Exan SEQ ID NO:				14561	14596	18192		18579					ı	22191			-			17002	24190	[	18307		16203	1			1	21660		22611
Probe SEQ ID NO:	11638	11952	11952	1407	1443	5064	5065	5377	5680	5680	6398	7825	9112	9112	11158	326	1178	2015	2083	3843	11118	2172	2172	3009	3027	5643	5643	9774	8247	8579	8579	9546

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Exon ORF SEQ Expression (Top) Hit Acession Signal BLASTE No.	Most Similar Expression (Top) Hit Signal BLASTE Value	Most Similar Expression (Top) Hit Signal BLASTE Value		Top Hit Ac	ession	Top Hit Database Source	Tap Hit Descriptor
22072 36564 0.64 2.0E-84 H22841.1	36564 0.64	0.64		H22841.1		EST_HUMAN	ym49e11.r1 Soares Infant brain 1NIB Homo sapiens dDNA clone IMAGE:51383 5' similar to SP.APOH_RAT P26844 BETA-2-GLYCOPROTEIN I;
25316 32092 1.81 2.0E-84 BF448000.1	32092 1.81	1.81	2.0E-84 BF448000.1	BF448000.1		EST_HUMAN	nee30e02.xt Lupeld_sympathetic_trunk Homo sepiens cDNA clone IMAGE:40902513' similar to TR:Q9UGS3 Q9UGS3 DJ756G23.1;
	32093 1.81	1.81	2.0E-84 BF448003.1	BF448003.1		EST_HUMAN	nee30a02.XI Lupski_sympathatic_trunk Homo sapiens cDNA clone IMAGE:4090251 3' similar to TR:09UGS3 Q9UGS3 DJ766023.1;
13536 26568 1.5 1.0E-84 AF114488.1	26568 1.5	1.5		AF114488.1		TN	Homo sapiens intersectin short Isoform (ITSN) mRNA, complete cds
13756 26781 10.87 1.0E-84 4607952 NT	26781 10.87 1.0E-84	10.87 1.0E-84	1.0E-84		2	ŢŃ	Homo saplens tyrosine 3-monoxygenase/typtophan 5-monoxygenase activation protein, zeta polypeptide (YWHAZ) mRNA
1.19	1.19 1.0E-84	1.0E-84	1.0E-84	1142763	(-	N	Homo sapiens complement component 5 (C5), mRNA
27542 2.63	27542 2.63	2.63		AA984379.1	1 1	EST_HUMAN	ал85b11.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:1629885 3'
28371 3.11 1.0E-84 BE3921	28371 3.11 1.0E-84 BE3921	3.11 1.0E-84 BE3921	1.0E-84 BE3921	BE3921		EST_HUMAN	601308006F1 NIH_MGC_44 Homo caplens cDNA clone IMAGE:3626257 5'
28562 1.53	28562 1.53 1.0E-84	1.53 1.0E-84	1.0E-84	114271	<u> </u>	NT	Homo sapiens pericentriolar material 1 (PCM1), mRNA
30007 2.78	30007 2.78	2.78		AA720851.1		EST_HUMAN	nw12e06.s1 NCI_CGAP_SS1 Homa sapiens cDNA clone IMAGE:12391063'
30659 5.89	30659 5.89	5.89		AJ229041.1	. 1	N	Homd sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3
30839 3.03	30839 3.03	3.03		AL043314.2	- 1	EST HUMAN	DKFZp434N0323_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434N0323 5'
30940 3.03	30940 3.03	3.03		AL043314.2		EST_HUMAN	DKFZp434N0323_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434N0323 5
	30659 3.56 1.0E-84 A.72290	3.56 1.0E-84 A.22290	1.0E-84 AJ2290	AJ229041.1	- "	Z	Homo saplens 9:59 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3
1.0E-04	55248 U.08 I.UE-04	10.00 J	1.0E-04		٧I	2	Train squels specially by a contract of the contract membrane version broaded forman seems. DNA 4240
32849 2.84	32849 2.84	2.84		573482.1	1	FN	uerine water cnamei≓zo koa <i>eny</i> micoyie integral memorane protein nomolog (naman, uterus, mixivA, 1340 nt]
33676 1.42	33676 1.42	1.42		AL049784.1		NT	Novel human gene mapping to chomosome 13
33577 1.42	33577 1.42	1.42		AL049784.1		NT.	Novel human gane mapping to chomosome 13
2.53 1.0E-84 AL04978	33789 2.53 1.0E-84 AL04978	2.53 1.0E-84 AL04978	1.0E-84 AL04978	AL04978		ΝΤ	Noval human gene mapping to chomosome 13
34185 10.45 1.0E-84	34185 10.45 1.0E-84	10.45 1.0E-84	1.0E-84		<b>4</b> 1	FZ	Homo sapiens polymerase (DNA directed), alpha (POLA), mRNA
34287 1.07 1.0E-84	34287 1.07 1.0E-84	1.07 1.0E-84	1.0E-84		ဖြ	NT	Homo saplens NGFI-A cinding protein 1 (ERG1 binding protein 1) (NAB1), mRNA
20798 34287 2.34 1.0E-84 11430846 NT	34287 2.34 1.0E-84	2.34 1.0E-84	1.0E-84		tO I	NT	Homo sapiens NGFI-A binding protein 1 (ERG1 binding protein 1) (NAB1), mRNA
2.79	2.79 1.0E-84	2.79 1.0E-84	1.0E-84	503198	4	TN	Homo sapiens nuclear transport factor 2 (placental protein 15) (PP15) mRNA
36606 0.0 1.0E-84 AF22451	36606 0.0 1.0E-84 AF22451	0.0 1.0E-84 AF22451	1.0E-84 AF22451	AF224511.1		NT	Homo sapiens Ca2+-binding protein CABP3 (CABP3) gene, exon 6 and partial cds
18488 31527 1.6 1.0E-84 4507848 NT	31527 1.6] 1.0E-84	1.6] 1.0E-84	1.0E-84	45078	48	NT	Homo sapiens ubiquitin specific protease 13 (Isopeptidase T-3) (USP13) mRNA
18488 31528 1.8 1.0E-84 4507848 NT	31528 1.8 1.0E-84	1.8 1.0E-84	1.0E-84		348	NT	Homo sapiens ublquitin specific protease 13 (isopeptidase T-3) (USP13) mRNA
2,62 1.0E-84	2.62 1.0E-84	2,62 1.0E-84	1.0E-84		812	N	Homo saptens purinergic receptor P2X-like 1, orphan receptor (P2RXL1), mRNA
32088 3.77	32088 3.77 1.0E-84	3.77 1.0E-84	1.0E-84	11418	185	LZ.	Homo sapiens aconitase 2, mitochondrial (ACO2), mRNA
1.94 9.0E-85 AL1632	1.94 9.0E-85 AL1632	1.94 9.0E-85 AL16320	9.0E-85 AL 1632	AL163209.2		NT	Homo sapiens chronosome 21 segment HS21C009

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	Т	T	Т	Т	T	Ϊ.	Т	Т	Т	Т	Т	Т	т-	Т	Т	Т	Bar 11	T <sup>3</sup>	۳.	<u> </u>	1	44	77.	ť	7-5	Ψ	410	1
Top Hit Descriptor	Homo sapiens nuclear protein Skip mRNA, complete ods	Homo sapiens nuclear protein Skip mRNA, complete ods	Human plasminogen gene, exon 7	Human plasminogen gene, exon 7	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo saplens chromosome 21 segment HS21C009	Homo sapiens chromosome 21 segment HS21 C080	Homo saplens heat shock transcription factor 2 binding protein (HSF2BP), mRNA	Homo sapiens chromosome 21 segment HS21C068	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sapiens ribosomal protein L27 mRNA, complete cds	Homo sapiens MSTP030 mRNA, complete cds	Homo sapiens DEAD/H (Asp-Glu-Ale-Asp/His) box polypeptide 10 (RNA helicase) (DDX10), mRNA	Homo saplens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 10 (RNA helicase) (DDX10). mRNA	z62b01.r1 Soares, lastis, NHT Homo sapiens cDNA clone IMAGE:726889 5' similar to TR:G1335769 G1335789 GAG-POL POLYPROTEIN.	Homo saplens chromosome 21 segment HS21C084	Homo sepiens T-type calctum channel alpha1 subunit Alpha11-a isoform (CACNA11) mRNA, complete cds	601458646F1 NIH_MGC_66 Hamo sapiens cDNA chone IMAGE:3862402 6	801458646F1 NIH_MGC_68 Homo sapiens cDNA clane IMAGE:3862402 5	Homo espiens mannosidase, beta A, Iysosomal (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3 (UBE2D3) genes, complete cds	Homo sapiens T-type calctum channel alpha1 subunit Albha11-a isoform (CACNA1) mRNA. complete cds	802084730F1 NIH_MGC_83 Homo saplens cDNA clone IMAGE:4249087 5'	502084730F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4249087 5	801605022F2 NIH_MGC_71 Home saplens cDNA clone IMAGE:3906940 6	RC1-BT0623-120200-011-c07 BT0623 Homo sapiens cDNA	Homo saplens protein phosphatase 2A BR gamma subunit gene, exon 6	ye53g09.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:121504 5'	Homo sapiens F-box only protein 24 (FBXO24), mRNA
Top Hit Database Source	N	FZ	F	Ę	Ę	TN	LN	N-	F	F	LN L	N.			EST_HUMAN	Г		EST_HUMAN	EST_HUMAN	TN	<u></u> LN	EST_HUMAN	Г	EST_HUMAN	EST_HUMAN		EST_HUMAN	
Top Hit Acession No.	J51432.1	J51432.1	A33282.1	A33282.1	7657020 NT	9.0E-85 AL163209.2	9.0E-85 AL163280.2	TN 6261979	9.0E-85 AL163268.2	7657020 NT		7.0E-85 AF113210.1	11438573 NT	11438573 NT	6.0E-85 AA403053.1	5.0E-85 AL163284.2		5.0E-85 BF035674.1	5.0E-85 BF035674.1	5.0E-85 AF224669.1	5.0E-85 AF211189.1	4.0E-85 BF677910.1	4.0E-85 BF677910.1	4.0E-85 BE882304.1		3.0E-85 AF096157.1		11024695 NT
Most Similar (Top) Hit BLAST E Value	9.0E-85 U51432.1	9.0E-85 U51432.1	9.0E-85 M33282.1	9.0E-85 M33282.1	9.0E-85	9.0E-86	9.0E-85	9.0E-85	9.0E-85	9.0E-85	7.0E-85 L05094.1	7.0E-85	6.0E-85	6.0E-85	6.0E-85	5.0E-85	5.0E-85 A	6.0E-85	5.0E-85	5.0E-85	5.0E-85	4.0E-85	4.0E-85 B	4.0E-85	4.0E-85 B	3.0€-85 A	3.0E-85 T97495.1	3.0E-85
Expression Signal	2.89	2.89	1.12	1.12	3.59	9.0	0.92	0.99	1.18	1.78	4.64	5.61	2.56	2.56	7	4.09	0.71	1.59	1.59	2.31	1.72	1.39	1.39	3.43	1.8	0.91	4.8	1.03
ORF SEQ ID NO:	27319	27320	27841	27842	27949			31105	31137	27949	27378		38391	38392	38750	28668		31804	31805	38101		32798	32799	34688		27551	28062	31125
Exon SEQ ID NO:	L	Ш	14762	14762				18130	18160		14323	24929	24699	24699	25041	15540	17690	18764	18764	24442	17690	19450	19450	21074	23831	14484	14970	18148
Probe SEQ ID NO:	1098	1098	1609	1609	1709	3870	4366	5001	5032	13046	1159	11943	11702	11702	12060	2410	4552	5587	5587	11381	13127	6278	6276	8021	10798	1327	1821	5019

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Top Hit Descriptor	Homo saplens F-box only protein 24 (FBXO24) mRNA	Homo saplens olfactory receptor, family 12, subfamily D. member 2 (OR12D2), mBNIA	Homo sapiens lacrimal proline rich protein (LPRP), mRNA	Homo saplens met proto-oncodene (henatocyte growth factor recentor) (MET) mRNA	Homo sapiens KIAA0793 gene product (KIAA0793) mRNA	Homo saplens KIAA0793 gene product (KIAA0793) mRNA	Homo sapiens mRNA for dynein heavy chain (DNAH) gene)	Homo saplens GTPase regulator associated with the focal adhesion kinase pp125(FAK); KIAA0621 protein (KIAA0621), mRNA	Homo sapiens DENN mRNA, complete ods	Homo saplens CGI-81 protein (I OCE1108) mRNA	Homo saptems phospholipase C. ensilon (PLCE), mRNA	Homo sapiens small nuclear ribonucleorordein polynomide R. (SNRDB2)	Homo saplens small nuclear ribonucleoprotein polynemide R* (SNRDRs) m.BNA	Homo saplens phospholipid scramblase mRNA, complete cds	Homo sapiens EGF-like repeats and discoidin Like domains 3 (EDII 3), mRNA	Homo sapiens Ran GTP ase activating protein 1 (RANGAP1), mRNA	Home sacians KIAA0020 arritain Mey internelling auchae described and an annual	Homo sapiens intersectin 2 (SH3D4R) mRNA Annuals and	Homo saplens CGI-201 protein (LOC51340) mRNA	Homo septens abolipoprotein C-II (APOC2) mRNA	Homo sapiens apolipoprotein C-II (APOC2) mRNA	Human DNA polymerase beta gene, exons 12 and 13	Homo sapiens similar to rat Integral membrane glycoprotein POM121 (POM121L1), mRNA	Human Ku (b70/p80) subunit mRNA, complete cds	Homo saplens plasminogen (PLG) mRNA	Homo sapiens reelin (RELN) mRNA	Homo saplens chromosome 21 segment HS21C084	wi67h08.x1 NCL_CGAP_Kid12 Homo capiens cDNA clone IMAGE:2398431 3' similar to contains element	wid404ft3 of Sperce NET T ODC of Home series DATA 1. 1990 TO 200 TO 1.	wm94d12.x1 NGLCGAP_UIZ Homo sapiens cDNA clone IMAGE:2331461 3	601591416F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3945818 5
Top Hit Database Source																								± k			± LN	Y NAMILY AND	Т	Т	П
Top Hit Acession No.	11024695 NT	7363442 NT	11436001 NT	11422024 NT	7662309 NT	7662309 NT	3.0E-85 AJ404469.1	11416870 NT		11525829 NT	11430889 NT	11421422 NT	11421422 NT	3.0E-85 AF098642.1	5031660 NT	11418177 NT	7657266INT	2.0E-85 AF248640.1	6205	5174775 NT	5174775 NT		7657468 NT		4505880 NT	4828977 NT	2.0E-86 AL163284.2 N			T	
Most Similar (Top) Hit BLAST E Value	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85 U44953.1	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.0E-85	2.0E-86	2.0E-85 A	2.0E-85	2.0E-85	2.0E-85	2.0E-85 U10525.1	2.0E-85	2.0E-85 M30938.1	2.0E-85	20E-85	2.0E-85 A	2.0F-85 A1760820 1	2.0E-85 A 1914459 1	2.0E-85 A1886384.1	1.0E-85 BE794303.1
Expression Signal	1.03	0.91	6.35	0.72	4.92	4.92	7.95	0.84	1.44	0.48	4.39	0.84	0.84	0.72	1.48	3.02	0.62	2.35	1.19	13.02	13.02	2,92	4.22	3.57	4.66	0.74	1.21	1.78	0.82	0.94	3.55
ORF SEQ ID NO:	31126	31180	31729	32734	32782	32783		34103	34659	35319	35798	36343	36344	37338	38484		27218,	27289	27662	27682	27683	28568		29280	30574	30810	31136	36094	36469	37118	
Exon SEQ ID NO:					1		20185	20627							24786	25648	14157	14231	14589	14504	14604	15436	14523	16263	17594	17822	18159	22530	22889	23504	15491
Probe SEQ ID NO:	5019	2080	5517	9210	6262	6262	7097	7555	8028	8706	9178	9206	9208	10700	11796	12999	983	1065	1436	1451	1451	2304	2884 2884	3087	4454	4687	2030	9473	9849	10469	2360
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Page 401 of 550 Table 4 Single Exon Probes Expressed in Placents

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Single Exon Probes Expressed in Placenta	Top Hit Descriptor	B01462817F1 NIH_MGC_67 Homo sepiens cDNA clone IMAGE:386021 5	601462817F1 NIH_MGC_87 Homo sapiens cDNA clone IMAGE:3866021 5	MRG-BT0284-221199-002-f03 BT0284 Homo sapiens cDNA	601109738F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3350553 51	RC1-ST0196-081099-011-c05 ST0196 Homo saplens cDNA	24503.81 Scares, fetal liver_spleen_1NFLS_S1 Homo sepiens cDNA clone (NAGE:453245 3)	zj45f03.s1 Soares fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:453245 3'	601897003F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4128440 9	601897003F1 NIH MGC 19 Homo sapiens cDNA clans IMAGE:4128440 5	q56807.x1 NCI_CGAP_Brn25 Homo saplens cDNA clone IMAGE:1860468 3'	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA	801120778F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE: 2967690 5	Homo saplens similar to CDC28 protein kinase 1 (H. sepiens) (LOC63041), mRNA	Homo sapiens KIAA0680 gene product (KIAA0680), mRNA	aj88f08.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:1403559 3'	ej88f08.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:1403559 3/	Homo sapiens tumor endothelial marker 7 precursor (TEM7), mRNA	Homo saplens tumor endothelial marker 7 precursor (TEM7), mRNA	Homo sapiens Tax1 (fruman T-cell leukernia virus type I) binding protein 1 (TAXIBP1), mRNA	Homo sapiens galastocereorostasse (GALC) gene, exon 15	Homo sapiens RAN binding probin 7 (RANBP7), mRNA	Home septens DiGeorge syndrome critical region gene 8 (DGCR6), mRNA	Home sapiens similar to transcription factor CA150 (H. sepiens) (LOC63170), mRNA	Homo sapiens similar to transcription factor CA150 (H. sapiens) (LOC63170), mRNA	Home sapiens coagulaten factor XIII, A1 polypeptide (F13A1), mRNA	Homo sapiens oxoglutarate dahydrogenase (lipoamide) (OGDH) mRNA	601072594F1 NIH_MGC_12 Homo captens cDNA doma IMAGE:3458830 6'	801178865F1 NIH_MGC_17 Homo sepiene cDNA clone IMAGE:3531953 5	601072594F1 NIH_MGC_12 Hamo sapiens cDNA clone IMAGE:3458830 5"	801443282F1 NIH_MGC_85 Homo septens cDNA clone IMAGE:3847455 87	xz92h12.x1 NCI_CGAP_Lu24 Homo sapiens cDNA done IMAGE:28717193'	AV722329 HTB Homo sepiens cDNA clone HTBBSD04 5'	601508686F1 NIH_MGC_71 Hamo sapiens cDNA clone IMAGE:3911303 5
e Exon Probe	Top Hit Database Source	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LZ	LN.	EST HUMAN	LN	1×1	EST HUMAN	EST HUMAN	TN	TN	TN	LN	LN	LN	IN	LN	TN	L۷	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN
Singl	Top Hit Acession No.	1.0E-85 BE618392.1	1.0E-85 BE618392.1	1.0E-85 BE062951.1	1.0E-85 BE257917.1	1.0E-85 AW813525.1	1.0E-85 AA778785.1	1.0E-85 AA778785.1	1.0E-85 BF311552.1	1.0E-85 BF311552.1	1.0E-85 AI198420.1	11417862 NT	11417862 NT	9.0E-86 BE274217.1	11424140 NT	7862247 NT	7.0E-86 AA860801.1	7.0E-86 AA860801.1	TN 9888888 .	9966866 NT	11421737 NT	.38557.1	5453997 NT	11526307 NT	11417012 NT	11417012 NT	11418903 NT	4505492 NT	4.0E-86 BE547173.1	4.0E-88 BE 295843.1	4.0E-86 BE547173.1	3.0E-86 BE667703.1	3.0E-88 AW340948.1	3.0E-86 AV722329.1	3.0E-86 BE886479.1
<u> </u>	Most Similar (Top) Hit BLAST E Value	1.0E-85	1.0E-85	1.0E-85	1.0E-85	1.0E-85	1.0E-85	1.0E-85	1.0E-85	1.0E-85	1.0E-85/	1.0E-85	1.0E-85	9.0E-86	8.0E-86	7.0E-88	7.0E-86	7.0E-86	7.0E-86	7.0E-86	7.0E-86	7.0E-86 L38557.1	7.0E-86	7.0E-86	7.0E-88	7.0E-88	7.0E-98	8.0E-88	4.0E-86	4.0E-88	4.0E-86	3.0E-86	3.0E-88 /	3.0E-86 /	3.0E-86
	Expression Signal	9.36	9.36	0.61	2.13	0.76	2.79	2.79	1.88	1.86	3.29	4.68	292	25.01	0.62	22	1.03	1.03	76.0	76.0	6.43	3.98	1.13	1.68	1.44	1.44	1,99	1.87	2,15	11.61	2.34	0.94	6.19	1.21	3.54
	ORF SEQ ID NO:	28719	28720			37055	37865	37868	37953	37954	38757	32045	32045		32774	26480	27192	27193	32853	32854	31499	35562		36595	37909	37910	38802	27543	26471	32680	28471	30531	32201	35067	37065
	Exon SEQ ID NO:	Ш	15594	Ĺ		23450		24235		L	L		25404		19428		1	1 1			18542				24273				13439	L	13439			. 1	23460
	Probe SEQ ID NO:	2467	2467	7983	9984	10415	11184	11164	11245	11245	12068	12330	12801	1460	6254	233	096	096	6325	6325	7118	8943	9901	0966	11204	11204	12117	1322	217	6159	11517	4404	5713	8457	10425

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Top Hit Descriptor	601509696F1 NIH_MGC_71 Hano sapiens cDNA clone IMAGE:3911303 5'	tu18b02.x1 NCI_CGAP_Pr28 Homo sepiens cDNA clone IMAGE:22513713'	AV690469 GKC Homo sapiens cDNA clone GKCBSE02 5'	601302333F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3636753 5′	EST177232 Jurkat T-cells Vi Homo sapiens cDNA 6 end	Homo saplens chromosome 21 segment HS21 0003	lyz18a08.r1 Soares_multiple_sciercsis_ZNbHMSP Homo sapiens cDNA clone IMAGE:283478 5'	Human endogencus retrovirus, complete genome	Homo saplens mRNA for KIAA1277 protein, partial cds	EST378215 MAGE resequences, MAGI Homo sapiens cDNA	Homo sapiens lysophosphatidic acid acyltransferase-delta (LPAAT-delta) mRNA, complete cds	Homo saplens lysophosphatitic acid acyltransferase-delta (LPAAT-delta) mRNA, complete cds	hd87g08.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:29165423'	Homo sapiens cAMP-speoific phosphodiesterase 8A (PDE8A) mRNA, partial cds	H.sapiens mRNA encoding phospholipase c	H.saplans mRNA encoding phospholipase c	Homo sapiens similar to ectonucleotide pyrophosphatase/phosphodiesterase 3 (H. saplens) (LOC63214), mRNA	Human Chediak-Higashi syndrome protein short isoform (LYST) mRNA, complete cds	Homo sapiens butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) (BBOX), mRNA	Homo sapiens butyrobelaine (gamms), 2-cxxglularate dioxygenase (gamma-butyrobetaine hydroxylase) (BBOX), mRNA	Homo sapiens phospholipid scramblase 1 (PLSCR1), mRNA	Homo sapiens chromosome segregation 1 (yeast homolog)-like (CSE1L), mRNA	Homo sapiens basic-helix-loop-helix-PAS protein (NPAS3), mRNA	Homo sepiens basic-helix-toop-helix-PAS protein (NPAS3), mRNA	Homo sapiens hypothetical protein FLJ20125 (FLJ20125), mRNA	Homo sapiens mRNA for KIAA1411 protein, partial cds	Homo sapiens ribosomal protein S6 kinase, 90kD, polypeptide 5 (RPS6KA5) mRNA	Homo sapiens thyrold autoantigen 70kD (Ku antigen) (G22P1), mRNA	Hama sapiens gene for AF-6, complete cds	Homo sepiens NADH dehydrogenase (ubiquinone) Fe-S protein 1 (75kD) (NADH-coenzyme Q reductase) (NDUFS1) mRNA
Top Hit Database Source	EST HUMAN	Г	П				EST_HUMAN						T_HUMAN	N	NT	Ę	Þ	L'N	TN	LN LN	NT	NT	NT.	NT	N L	Ŋ	NT TA	NT	NT	NT
Top Hit Acession No.	3,0E-86 BE886479.1	3.0E-86 AI659240.1	3.0E-86 AV690469.1	3.0E-86 BE410354.1	2.0E-86 AA306264.1	2.0E-86 AL163203.2	158977.1	9635487 NT	2.0E-86 AB033103.1	2.0E-86 AW966142.1		2.0E-86 AF156776.1	2.0E-86 AW515742.1			216411.1	11419429NT	J84744.1	11437135INT	11437135INT	10863876 NT	11422084 NT	11545846 NT	11545846 NT	11417120 NT	2.0E-86 AB037832.1	4759051 NT	11418189NT	2.0E-86 AB011399.1	4826855 NT
Most Similar (Top) Hit BLAST E Value	3,0E-86	3.0E-86	3.0E-86	3.0E-86	2.0E-86	2.0E-86/	2.0E-86 N58977.1	2.0E-86	2.0E-86	2.0E-86	2.0E-86	2.0E-86 /	2.0E-86 /	2.0E-86/	2.0E-86 Z16411.1	2.0E-86 Z16411.1	2.0E-88	2.0E-86 U84744.1	2.0E-86	2 OF-86	2.0E-86	2.0E-86	2.0E-86	2.0E-86	2.0E-86	2.0E-88	2.0E-86	2.0E-86	2.0E-86	1.0E-86
Expression	3.54	4.87	1.37	3.38	1.56	2.69	3.33	8.53	1.56	1.51	2.29	2.29	2.59	3.21	1.32	1.32	0.78	0.58	2.62	2 62	0.68	1.96	2.9	2.9	0.48	1.25	1.78	6.3	2.56	2.15
ORF SEQ ID NO:	37066		38491		26525				28607	29679	30001			31030		32500			35392					37308				32006		27864
Exan SEQ ID NO:	23460	(	24793	25971	13495	13622	14378	15398	15473	16669	16999	16999	17303	18040	l	19178	i	21281		1	L	L	L		L	23754	L	ł	l	14779
Probe SEQ ID NO:	10425	11720	11803	12300	277	427	1217	2265	2342	3502	3840	3840	4151	4910	5993	5983	7227	8199	8772	6778	9104	9519	10664	10684	10667	10721	11143	12789	12980	1627

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Single Exoll Flobas Expressed in Fracenta	Top Hit Descriptor	Homo sapiens fibulin 5 (FBLN5) mRNA	Human gamma-glutaniy transpeptidase mRNA, complete cds	Homo capiens chromosome 21 segment HS21C009	Homo sapiens chromosome 21 segment HS21C009	Homo saplens chromosome 21 segment HS21C100	Homo saplens synaptojanih 1 (SYNJ1), mRNA	Homo sapiens chromosome 21 segment HS21 C084	Hano saplens ahromasame 21 segment HS21C084	db77c09.x1 Soares_fetal_heart_NbHH199W Home sapiens cDNA clone IMAGE:1706128 3' similar to SW.K1CJ_MOUSE P02636 KERATIN, TYPE I CYTOSKELETAL 10;	Homo saplens a disintegrin and metalloproteinase domain 22 (ADAM22), mRNA	Homo sapiens a disintegrin and metalloproteinase domain 22 (ADAM22), mRNA	O.cuniculus mRNA for elongation factor 1 alpha	7h85f02x1 NCI_CGAP_Co16 Homo sapisns cDNA done IMAGE:3322779 3'	7h85f02.x1 NC)_CGAP_Co16 Homo sepiens cDNA clone IMAGE:3322779 3'	MR0-NT0039-020500-004-a11 NT0039 Homo saplens cDNA	IL3-HT0619-060700-198-D10 HT0619 Homo saplens cDNA	IL5-HT0702-160600-103-d06 HT0702 Homo saplens cDNA	DKFZp434N0323_r1 434 (synonym: htss3) Homo saplens cDNA clone DKFZp434N0323 6	DKFZp434N0323_r1 434 (synonym: htss3) Homo saplens cDNA clone DKFZp434N0323 6'	attano.st Scares_NhHMPu_S1 Homo saplens cDNA done IMAGE:16606573'	Human mRNA from chromosome 16 gene with homology to MHC-HLA-SB-1 intron A	Human mRNA from chromosome 15 gene with homology to MHC-HLA-SB-1 Intron A	Homo saplens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens mRNA for KIAA1081 protein, partial cds	Homo saplens similar to SET translocation (myeloid leukemie associated) (H. saplens) (LOC63102). mRNA	EST86094 Tests I Hamo sapiens cDNA 5' end	EST96094 Tests I Homo sapiens cDNA 5' end	Homo capians chromosome 21 segment HS21C010	Homo sapiens mRNA for KIAA1414 protein, partial cds	y/80/10.r1 Scares placenta Nb2HP Homo sepiens cDNA clone IMAGE:146579 5' similar to contains Alu repetitive element.	Homo saplens mRNA for KIAA0456 protein, partial cds
באסוו בוסמם	Top Hit Database Source	FZ	Z,	NT	FZ	ΙN	LN LN	NŦ	NT	EST_HUMAN	L'A	12	7	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	אר	NT	ΤN	NT	L	EST HUMAN	EST HUMAN	N	LZ	EST HUMAN	Z
Billio	Top Hit Acession No.	5453649 NT		1.0E-86 AL163209.2	1.0E-86 AL163209.2	1.0E-86 AL163300.2	4507334 NT	1.0E-86 AL163284.2	1.0E-86 AL163284.2	9.0E-87 AI150703.1	4757721 NT	4757721 NT		7.0E-87 BF063211.1	7.0E-87 BF063211.1	Ţ	7.0E-87 BF352776.1	7.0E-87 BE712961.1	7.0E-87 AL043314.2	7.0E-87 AL043314.2	-			7857213 NT	6.0E-87 AB029004.1	11432444 NT	5.0E-87 AA382811.1	5,0E-87 AA382811.1		4.0E-87 AB037835.1	4.0E-87 R78133.1	1.5
	Most Similar (Top) Hit BLAST E Value	1.0E-86	1.0E-86 L20492.1	1.0E-86	1.05-86	1.0E-86/	1.0E-86	1.0E-86	1.0E-86	9.0E-87	9.0E-87	9.0E-87	8.0E-87 X62245.1	7.0E-87	7.0E-87	7.0E-87	7.0E-87	7.0E-87	7.0E-87	7.0E-87	7.0E-87	7.0E-87 K03002.1	7.0E-87 K03002.1	6.0E-87	6.0E-87	6.0E-87	6.0E-87	6.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-97
<u> </u>	Expression Signal	1.68	239	1.74	1.74	5.41	0.84	1.85	1.63	1.84	1.82	1.82	49.59	3.27	3.27	1.38	3	0.66	3.38	3.38	0.53	6.69	6.59	1.19	1.47	4.48	1.62	2.58	1.37	7.91	1.31	2.28
	ORF SEQ ID NO:	29417	L						32149		34150	L							36907		1		37826				27404	L		27420	1	
	Exon SEQ ID NO:	16405	16481	16540				18864	)	18672	20876	20676		L			21465		)			24201	24201	16779	19713	24044	1	ı	ı	L.	14614	1
	Probe SEQ ID NO:	3231	3307	3368	3368	4380	4743	5670	11805	5472	7606	7606	492	2369	2369	9630	8384	8653	10278	10276	10686	11129	11129	3615	6551	10963	1584	12803	888	1189	146	2088

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Table 4
Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	yB0f10.r1 Soæres placenta Nb2HP Homo saplens cDNA clone IMAGE:145579 6' similar to contains Alu repetitive element:	y80f10.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:145579 5' similar to contains Alu repositive element.	Homo sapiens CGI-60 protein (LOC51626), mRNA	Homo sapiens CGI-60 protein (LOC51626), mRNA	Homo sepiens myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (MLLT4) mRNA	ETS-RELATED PROTEIN 71 (ETS TRANSLOCATION VARIANT 2)	Human transcription factor NFATx3 mRNA, complete cds	TCBAP1E4051 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project≃TCBA Homo saptens cDNA clone TCBAP4051	Homo saplens KIAA1072 protein (KIAA1072), mRNA	Homo sapiens KIAA1072 protein (KIAA1072), mRNA	Homo sapiens tuberin (TSC2) gene, exon 10	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens purinergic receptor P2X-like 1, orphan receptor (P2RXL1), mRNA	Homo sapiens high-mobility group (nonhistone chromosomal) protein 4 (HMG4) mRNA	AU116935 HEMBA1 Homo capiens cDNA clone HEMBA1000307 5'	CM0-TN0038-150900-552-h08 TN0038 Homo saplens cDNA	RC5-HT0580-200300-031-G04 HT0580 Homo sapiens cDNA	601569041F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3843730 5	601569041F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3843730 5'	601341383F1 NIH_MGC_53 Homo sapiens cDNA clone IMAGE:3683348 57	yv21e07.r1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:243396 5	AV654143 GLC Homo saplens aDNA done GLCDSG043'	B01176032F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3531511 5	Homo sapiens hect domain and RLD 2 (HERC2), mRNA	w21s07.r1 Soares fetal liver spleen 1NFLS Hamo sapiens cDNA clane IMAGE:243398 6	w21e07.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:243396 5	Human cyclophilin gene for cyclophilin (EC 5.2.1.8)	601278315F1 NIH_MGC_39 Homo sapiens cDNA clane IMAGE:3610539 5'
Top Hit Database Source	EST_HUMAN	EST_HUMAN	LZ	N	ĮN.	SWISSPROT	Z	EST HUMAN	LN	TN	LN-	L	Z	FZ	N	TN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	<b>EST_HUMAN</b>	EST HUMAN	TN	EST_HUMAN	EST HUMAN	F	EST_HUMAN
Top Hit Acession No.	4.0E-87 R78133.1	4.0E-87 R78133.1	T706299 NT	7706289 NT	5174574 NT		4.0E-87 U85429.1	4.0E-87 BE247284.1	5291	11425291 NT	L48524.1	4.0E-87 M60676.1	11417862 NT	11417862 NT	11417812 NT	4885420 NT	2.0E-87 AU116935.1	2.0E-87 BF376311.1		20E-87 BE734190.1	2.0E-87 BE734190.1	2.0E-87 BE567193.1	2.0E-87 N48128.1	2.0E-87 AV654143.1	2.0E-87 BE294432.1	11433046 NT	2.0E-87 N48128.1			2.0E-87 BE531136.1
Most Similar (Top) Hit BLAST E Velue	4.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-87 00032	4.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-87	4.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	20E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87
Expression Signal	1.29	8,1	0.99	66.0	3.61	4,6	0.58	4.34	0.71	0.71	3.64	3.42	1.27	1.27	58.7	14.35	1.02	3.2		12.22	12.22	4.87	0.79	0.75	1.35	2.0	36.59			4.86
ORF SEQ ID NO:	28402	28403			29732	L	32368	32692	L	34407	34510	38185		31672		29057	30042				32276		33399	33668		33918	34157		36209	
Exan SEQ ID NO:	16279	15279	1	1	16718	18759	19059	19346	20903	20903	21000	24498	上	1	25593	15950	17043			18970	18970	19623	1			20453	20681	20918		23027
Probe SEQ IO NO:	2143	2143	2493	2493	3553	5562	5869	6170	7848	7848	7950	11437	12705	12705	12896	2836	3884	5033	5076	5778	5778	6456	6838	6920	7324	7374	7611	7864	8289	8866

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Top Hit Descriptor	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	wd88h08.x1 NCI_CGAP_Lu24 Homo sapiens QDNA clone IMAGE:2336799 3' similar to contains Alu	repetitive element;contains element MER22 MER22 repetitive element ;	Homo sapiens Intersectin short isoform (ITSN) mRNA, complete cds	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	ym08b10.r1 Scares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:47129 5'	Homo saplens chromosome 21 segment HS21C084	602154958F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4295775 5'	PM1-TN0028-050900-004-f10 TN0028 Homo sapiens cDNA	PM1-TN0028-050900-004-f10 TN0028 Homo saplens cDNA	602149762F1 NIH_MGC_81 Homo saplens cDNA clone IMAGE:4290975 5'	Homo saplens transforming growth factor, beta-induced, 68kD (TGFBI), mRNA	Homo sapiens cell division cycle 10 (homologous to CDC10 of S. cerevisiae) (CDC10) mRNA	Homo sapiens KIAA0152 gane product (KIAA0152), mRNA	Homo sepiens KIAA0152 gene product (KIAA0152), mRNA	Homo sapiens hypothetical protein FLJ21634 (FLJ21634), mRNA	Homo sapiens zinc finger protein 259 (ZNF259) mRNA	za48f12.51 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:295823 3'	Homo saplens a disintegrin and metalloproteinase domain 23 (ADAM23) mRNA	Homo saplens a disintegrin and metalloproteinase domain 23 (ADAM23) mRNA	Hamo sapiens hypothetical protein FLJ20220 (FLJ20220), mRNA	Homo saplens valosin-containing protein (VCP), mRNA	Homo sapiens polycythemia rubra vera 1; cell surface receptor (PRV1), mRNA	Homo sapiens v-ral simian laukemia viral oncogene homolog A (ras related) (RALA), mRNA	Homo sapiens interleukin 13 (IL-13), mRNA	Homo sapiens activator of S phase kinase (ASK), mRNA	Homo sapiens activator of S phase kinase (ASK), mRNA	Homo sapiens putative anion transporter 1 mRNA, complete cds	Homo sapiens retinoblastoma-binding protein 2 (RBBP2), mRNA	Homo sapiens growth differentiation factor 5 (cartilage-derived morphogenetic protein-1) (GDF5), mRNA	Homo saplens molybdenum cofactor blosynthesis protein A and molybdenum cofactor blosynthesis protein Ch mRNA, complete cds	
Top Hit Database Source	N	IN.		EST HOMAN	NT	TN	EST HUMAN	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN	IN	NT.	INT	INI	LN	EST_HUMAN	FN.	TN.	FN.	TN	TN	TN	N	NT	IN	F	TN	ĮN.	ĻΝ	
Top Hit Acession No.	6.0E-88 AF114488.1	5.0E-88 AF114488.1		5.0E-88 AI693217.1	5.0E-88 AF114488.1	5.0E-68 AF114488.1	5.0E-88 H10932.1	5.0E-88 AL163284.2	5.0E-88 BF680206.1	4.0E-88 BF091229.1	4.0E-88 BF091229.1	4.0E-88 BF670714.1	11416585 NT	4502694 NT	7661947 NT	7661947 NT	11545800 NT	4508020 NT	3.0E-88 N66951.1	4501912 NT	4501912 NT	11429300 NT	11429567 NT	TN 8888888	11420697 NT		11419210 NT	11419210 NT	3.0E-88 AF279265.1	11436400 NT	11421726 NT	3.0E-88 AF034374.1	
Most Similar (Top) Hit BLAST E Value	6.0E-88	5.0E-88		5.0E-88	5.0E-88	5.0E-88	5.0E-88	5.0E-88	5.0E-88	4.0E-88	4.0E-88	4.0€-88	4.0E-88	4.0E-88	4.0E-88	4.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.05-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	
Expression Signal	0.71	0.71		2.78	0.75	0.71	2.67	2.67	0.63	96'0	0.96	0.65	1.7	1.54	1.72	1.72	1.25	3.09	80.9	0.81	0.81	4.81	2.79	3.63	3.9	0.72	0.84	. 0.84	15.52	6.53	6.9	1.58	
ORF SEQ ID NO:	29272	29273			29806		33656					31333				38465	26974			30477				32188	32318				33489		34707	34897	
Exon SEQ ID NO:	16251	16251		16643	16789	17892	20226	21196	22577	14515	14515	18365	20470	24221	24769	24769			16189		17498	17737	18616	18896	19012	19463	25826	25826	20076	20777	21187	21471	
Probe SEQ ID NO:	3076	3075		3476	3625	4869	6910	8114	9512	1360	1380	5244	7392	11150	11779	11779	750	1855	3013	4355	4355	4600	5414	5703	5822	9530	6543	6543	7211	7712	8105	8390	

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Most Similar   Most Similar   ORF SEQ   Expression (Top) Hit Ace	Section 1 to the second section 1 to 1
Most Similar (Top) Hit Top Hit Ace	
C NO. Signal BLASI E NO.	
34589	Ħ
23170 36767 0.76 3.0E-88 AB015228.1 NT Homo septens mRNA for RALDH2-T, complete cds	Ι
36768 0.76 3.0E-88 AB0162	Ŧ
23199 36794 0.6 3.0E-88 11439065 NT Homo sepiens acyt-Coenzyme A dehydrogenase family, member 8 (ACADB), mRNA	Ĭ
2.49 3.0E-88	Ĭ,
31676 1.63	Ĭ
1.31	Ĭ
27283 6.85 2.0E-88 7305198 NT	Ĭ
27891 4.24 2.0E-88 AF246219.1 NT	Ξ
28031 6.83 2.0E-88 AF246219.1 NT	트
29733 2.9	Ξ
30665 1.93 2.0E-88 5031666 NT	Ť
32636 4.98 1.0E-88 AW139565.1 EST_HUMAN	
32537 4.98 1.0E-88 AW139565.1 EST_HUMAN	
33334 21.66 1.0E-88 AB007877.1 NT	
	Ė
20354 33807 1.52 1.0E-88 A1969034,1 EST_HUMAN   wq70a12.x1 NC _CGAP_GC6 Homo squiens cDNA clone IMAGE:2476606 3'	
33877 3.7 1.0E-88 AA488981.1 EST_HUMAN	
21413 34939 0.51 1.0E-98 AF135183.1  NT   Homo septens Recq helicase 5 (RECQ5) gene, alternative splice products, complete ods	_
287218 Homo saplens cDNA clone IMAGE:627170 5' similar to any poly to a series of the cell state of th	
2.83 1.0E-88 AL043314.2 EST HUMAN	Т
	$\overline{}$
4.28 4.0E-88 A1163248.5 INT	Т
34940 4 64 4 AE 00 AMA84700 4 CCT ULINANI	Т
1.04 1.05 1.05 1.05 1.05 1.05 1.05 1.05 1.05	T
37898 8.14 9.0E-89 11421238 NT	٦
15010 28019 1.75 8.0E-69 BE311557.1 EST_HUMAN   601142408F1 NIH_MGC_14 Home sapiens CDNA clone IMAGE:3508188 5'	
Home septens similar to sema domain, immunoglobulin domain (1g), short basic domain, secreted (1g), short basic domain, s	T J
N  +	4
26680 1.41 7.0E-89 7657213 NT	
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31108 2.71	Ŀ

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Table 4
Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	DKFZp434E246 r1 434 (synonym: htss3) Homo saplens cDNA clone DKFZp434E246 5'	H.saplens CLN3 gene, complete CDS	H.sapiens CLN3 gene, complete CDS	Homo sapiens plastin 3 (T isoform) (PLS3), mRNA
   | Homo sapiens mRNA for KIAA0823 protein, partial cds   | Human aldose reductase (AR) gene, segment 2  | Homo sapiens inner membrane protein, mitcohondrial (mitofilin) (IMMT), mRNA  
   
  | Homo sapiens serine/threonine-protein kinase PRP4 homolog (PRP4) mRNA  
  | Homo sapiens ubiquitin-conjugating enzyme EZL 3 (UBEZL3) mRNA   | Homo sapiens ubiquitin-conjugating enzyme E2L 3 (UBEZL3) mRNA  | Homo saplens mRNA for KIAA0406 protein, partial cds  | Homo sapiens mRNA for KIAA0406 protein, partiel cds  | Homo saplens low density lipoprotein-related protein 2 (LRP2), mRNA  | Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA  | TCBAP2E0383 Pediatric pre-B celi acute tymphoblastic laukemia Baylor-HGSC project=TCBA Homo agpient<br>  ADNIA close
TCBAPDA83   | TCDAD2FASS Bedinkle are B cell acute humbblestic lautemia Badra-HCSC nationis TCBA Homo sanians  | CDNA clane TCBAP0383   | QV3-NT0022-080600-219-903 NT0022 Homo sapiens cDNA   | EST388290 MAGE resequences, MAGN Homo saplens cDNA  | dh17b06.x1 Sogres_NFL_T_GBC_S1 Homo sapiens oDNA clone IMAGE:1844915 3'   | mo saplens cDNA clone IMAGE:259148 5'<br>SITOL 4-KINASE ALPHA;  
  |  | AV705749 ADB Homo sapiens cDNA clone ADBBGA01 5'  |
| Top Hit<br>Database<br>Source                 | EST_HUMAN   | 7.7<br>1.2  | NT   | TN  | LN  | TN   | LN   | NT   | NT   | TN  | NT   | NT   
   | NT  | IN   | LN.  
   
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  | NT  | LV.  | NT   | N-   | NT   | LN   | 14000   
  | STATE OF THE PARTY | EST HUMAN  | EST HUMAN  | EST HUMAN   | EST HUMAN   | EST HUMAN  | EST HUMAN  
                   | EST_HUMAN   |
| Top Hit Acesston<br>No.                       | AL045748.1  |   | (99832.1   | 7549808   | 7549808   | 11420754   | 11417118   | 11417118   | J02923.1   | X62048.1  | X62048.1   | 4B020630.1   
   | 4B020830.1  | M59783.1   | 5803114  
   
  | 4506124  
  | 4507788   | 4507788  | AB007866.2   | AB007866,2   | 6806918  | 6806918  | 4 0000 4  
  | DCC+1023.1   | BE 244323.1  | BE762749.1   | AW976181.1  | AI217359.1  | N57367.1  
  | AV708431.1   | 3.0E-89 AV705749.1  |
| Most Similar<br>(Top) Hit<br>BLAST E<br>Vatue | 7.0E-89   | 7.0E-89   | 7.0E-89  | 7.0E-89   | 7.0E-89   | 7.0E-89  | 7.0E-89  | 7.0E-89  | 7.0E-89  | 7.05-89   | 7.0E-89  | 7.0E-89  
   | 7.0E-89   | 7.05-89  | 6.0E-89  
   
  | 6.0E-89  
  | 6.05-89   | 6.0E-89  | 6.0E-89  | 6.0E-89  | 8.0E-89  | 6.05-89  | L   
  | 3.05   | 5.05-89  | 4.0E-80  | 3.0E-89   | 3.05-89   | 3.0E-89   
  | 3.0E-89  | 3.0E-89   |
| Expression<br>Signal                          | 7.29  | 122   | 1.22   | 1.57  | 1.57  | 1.84   | 0.68   | 39.0   | 0.53   | 1.34  | 1.34   | 1.35   
   | 1.35  | 2.66   | 1.39   
   
  | 2.52   
  | 1.61  | 1.61   | 3.79   | 3.79   | 0.81   | 0.81   | 0   
  | 00.00  | 23   | 1,02   | 1.83  | 1.3   | 2.29  
  | 1.52   | 1.82  |
| ORF SEQ<br>ID NO:                             | 31151   | 31778   | 31779  | 33000   | 33001   |  |  |  |  |   |  |  
   | 37424   | 38250  | 27271  
   
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| Exon<br>SEQ ID<br>NO:                         | 18174   | 18744   | 18744  | ŀ   | }   | ,  | ,  |  | ,  | ,   | ,  | ı  
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| Probe<br>SEQ ID<br>NO:                        | 5046  | 5547  | 5547   | 6473  | 6473  | 7668   | 8063   | 8083   | 8674   | 10750   | 10730  | 10768  
   | 10768   | 11515  | 1048   
   
  | 2287   
  | 2504  | 2504   | 4759   | 4759   | 5295   | 5295   |   
  | 001.0  | 7,180  | 7781   | 2941  | 7290  | 11039   
  | 12790  | 12886   |
|   | Exon ORF SEQ Expression (Top) Hit Top Hit Accession ORtabase No. Signal Vetwo | Exon         ORF SEQ         Expression         (Top) Hit Acession No.         Top Hit Acession (Top) Hit Acession No.         Database Source         Database Source           NO:         Signal Value         Value | Exon         ORF SEQ         Expression         (Top) Hit         Top Hit Accession         Top Hit Bull Accession         Top Hit Accession           NO:         Signal         PLASTE         No.         Source           18174         31751         7.25         7.05-89 AL046748.1         EST HUMAN           18744         31778         1.22         7.05-89 X89832.1         NT | Exon         ORF SEQ         Expression         (Top) Hit Top Hit Accession         Top Hit Top Hit Accession         Top Hit Top Hit Accession           NO:         Signal         BLASTE         No.         Source Source           18174         31751         7.29         7.0E-89 AL045748.1         EST HUMAN           18744         31779         1.22         7.0E-89 X89852.1         NT           18744         31779         1.22         7.0E-89 X89852.1         NT | Exon         ORF SEQ         Expression         (Top) Hit Plit Accession         Top Hit Accession         Top Hit Database           NO:         Signal Signal         PLASTE No.         Source Source           18174         31151         7.29         7.0E-89 ALD45748.1         EST HUMAN           1874         31779         1.22         7.0E-89 X89852.1         NT           1874         31779         1.22         7.0E-89 X89852.1         NT           19640         33000         1.57         7.0E-89 X89852.1         NT | Exon<br>SEQ 1D<br>ID NO:         ORF SEQ<br>Signel         Expression<br>Value         (Top) Hit<br>Database         Top Hit Accession<br>No.         Top Hit<br>Source           18174         31151         7.29         7.0E-89         AL045748.1         EST_HUMAN           18744         31779         1.22         7.0E-89         SOB592.1         NT           19640         33001         1.57         7.0E-89         7.0E-89         7.0E-89           19640         33001         1.57         7.0E-89         7.0E-89         7.0E-89 | Exon<br>SEQ ID<br>ID NO:         OAF SEQ<br>Signal<br>ID NO:         Expression<br>Signal<br>ID NO:         (Top) Hit<br>Signal<br>ID NO:         Top Hit<br>Signal<br>ID NO:         Top Hit<br>Signal<br>ID NO:         Top Hit<br>Signal<br>ID NO:         Top Hit<br>Source<br>ID Accession           18174         31151         7.29         7.0E-89         AL045748.1         EST HUMAN           18744         31778         1.22         7.0E-89         X89832.1         NT           19840         33000         1.57         7.0E-89         X698032.1         NT           19840         33000         1.57         7.0E-89         7549808 NT           19840         34211         1.84         7.0E-89         76E-89 | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Top Hit<br>BLASTE         Top Hit<br>No.         Top Hit<br>Source           18174         31778         1.22         7.0E-89 AL045748.1         EST HUMAN           18640         33000         1.57         7.0E-89 X09832.1         NT           19640         33000         1.57         7.0E-89 X09832.1         NT           19640         33000         1.57         7.0E-89 X09832.1         NT           20734         34211         1.67         7.0E-89 X09882.1         NT           20734         34211         1.67         7.0E-89 X09882.1         NT           20734         34211         1.67         7.0E-89 X09882.1         7.442088 NT           20734         34211         1.67         7.0E-89 X0988.1         7.454808 NT           21145         34664         0.58         7.0E-89 T141718 NT | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>BLAST E<br>Vetwork         Top Hit<br>No.         Top Hit<br>Source           18174         31778         7.29         7.0E-89 AL046748.1         EST_HUMAN           18744         31779         1.22         7.0E-89 AL046748.1         EST_HUMAN           19640         33000         1.57         7.0E-89 X99832.1         NT           19640         33001         1.57         7.0E-89 X99832.1         NT           20734         34214         1.57         7.0E-89 X99832.1         NT           20734         34214         1.57         7.0E-89 X99832.1         NT           21145         34685         0.68         7.0E-89 X99832.1         NT | Exon<br>No:<br>18174         OAF SEQ<br>SIgnal<br>ID NO:<br>18174         Expression<br>Signal<br>ID NO:<br>18174         (Top) Hit<br>SIgnal<br>ID NO:<br>18174         Top Hit<br>Signal<br>ID NO:<br>18174         Top Hit<br>Signal<br>ID NO:<br>18174         Top Hit<br>Source<br>ID NO:<br>ID | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signel         (Top) Hit<br>Pake         Top Hit Acession<br>National         Top Hit<br>Database<br>Source           18174         31151         7.29         7.0E-89         ALD45748.1         EST_HUMAN           18744         31778         1.22         7.0E-89         ALD45748.1         EST_HUMAN           18744         31779         1.22         7.0E-89         AS9932.1         NT           19640         33001         1.57         7.0E-89         7.9880.NT           20734         3421         1.64         7.0E-89         14420754.NT           21445         34664         0.68         7.0E-89         1447718.NT           21745         34669         0.58         7.0E-89         1447718.NT           21745         34669         0.58         7.0E-89         1447718.NT           21745         37596         0.58         7.0E-89         1447718.NT           21746         37596         1.34         7.0E-89         102223.1         NT | Exon<br>NO:         OAF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Pakue         Top Hit<br>No.         Top Hit<br>Source           18174         31151         7.29         7.0E-89         AL045748.1         EST HUMAN           18744         31778         1.22         7.0E-89         AL045748.1         EST HUMAN           18744         31779         1.22         7.0E-89         AL045748.1         EST HUMAN           19640         33000         1.57         7.0E-89         769803.1         NT           19640         33000         1.57         7.0E-89         769808 INT           20734         34211         1.84         7.0E-89         764908 INT           21445         34664         0.68         7.0E-89         11417118 INT           2145         34664         0.68         7.0E-89         11417118 INT           2145         34664         0.68         7.0E-89         11417118 INT           21754         3669         0.68         7.0E-89         11417118 INT           23783         37396         1.34         7.0E-89         X32048.1         INT | Exon<br>NO:<br>18174         OAF SEQ<br>ID NO:<br>18174         Expression<br>Signal<br>100         (Top) Hit<br>Signal<br>122         Top Hit<br>Top Hit<br>No.<br>122         Top Hit<br>No.<br>123         No.<br>124         Source<br>124         No.<br>124         < | Exon<br>NO:<br>18174         ORF SEQ<br>1D NO:<br>1974         Expression<br>Signal<br>1D NO:<br>1974         (Top) Hit<br>Signal<br>1D NO:<br>1974         Top Hit<br>Signal<br>1D NO:<br>1974         Top Hit<br>Signal<br>1D NO:<br>1974         Top Hit<br>Signal<br>1D NO:<br>1974         Top Hit<br>Source<br>1D Signal<br>1D NO:<br>1974         Top Hit<br>Source<br>1D Signal<br>1D Signal | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Pake         Top Hit Accession<br>Value         Top Hit Accession<br>No.         Top Hit<br>Source           18174         31151         7.29         7.0E-89         AL045748.1         EST_HUMAN           18744         31779         1.22         7.0E-89         AL045748.1         EST_HUMAN           19640         330001         1.57         7.0E-89         7649808.NT           20734         33201         1.57         7.0E-89         7649808.NT           20734         34211         1.84         7.0E-89         74420754.NT           20734         34211         1.84         7.0E-89         1147718.NT           21445         34664         0.58         7.0E-89         1147718.NT           21745         35699         0.55         7.0E-89         1147718.NT           23783         37395         1.34         7.0E-89         102223.1         NT           23781         37423         1.34         7.0E-89         102203.1         NT           23783         37395         1.34         7.0E-89         102203.1         NT           23801         37423         1.36         7.0E-89         102203.1 <t< td=""><td>Exon<br/>NO:         ORF SEQ<br/>ID NO:         Expression<br/>Signel         (Top) Hit<br/>Pake         Top Hit Acession<br/>Name         Top Hit<br/>Database           18174         31151         7.29         7.0E-89         ALD45748.1         EST HUMAN           18744         31778         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         7.0E-89         NT           19640         33001         1.57         7.0E-89         7.0E-89         NT           27145         34664         0.68         7.0E-89         1447718 NT           27145         34664         0.68         7.0E-89         1447718 NT           21145         34664         0.68         7.0E-89         1447718 NT           2145         32664         0.68         7.0E-89         1447718 NT           2145         37396         1.34         7.0E-89         MS2046.1         NT           23783         37396         1.34         7.0E-89         MS2046.1         NT           23801         37423         1.36         7.0E-89         MS202080.1</td><td>Exon<br/>NO:         OAF SEQ<br/>ID NO:         Expression<br/>Signal         (Top) Hit<br/>Pakue         Top Hit<br/>No.         Top Hit<br/>Source           18174         31151         7.29         7.0E-89         ALD45748.1         EST HUMAN           18744         31778         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         X99832.1         NT           19640         33000         1.57         7.0E-89         7.0E-89         NT           20734         34211         1.84         7.0E-89         1141718 NT           2145         34664         0.88         7.0E-89         1141718 NT           21745         34664         0.88         7.0E-89         1141718 NT           21754         35289         0.58         7.0E-89         1417718 NT           23783         37326         1.34         7.0E-89         X62048.1         NT           23801         37424         1.36         7.0E-89         X62048.1         NT           23781         37424         1.36         7.0E-89         X62048.1         NT</td><td>Exon<br/>NO:         OAF SEQ<br/>ID NO:         Expression<br/>Signal         (Top) Hit<br/>Pake         Top Hit<br/>No.         Top Hit<br/>Source           18174         31151         7.29         7.0E-89         ALO45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALO45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALO45748.1         EST HUMAN           18640         33000         1.57         7.0E-89         AC4045748.1         INT           20734         34211         1.57         7.0E-89         AC4045748.1         INT           2145         34664         0.58         7.0E-89         AC40808.INT         INT           2145         34664         0.58         7.0E-89         11417118.INT           21744         3664         0.58         7.0E-89         11417118.INT           21745         34664         0.58         7.0E-89         11417118.INT           23783         37396         1.34         7.0E-89         AS202043.1         INT           23801         37423         1.36         7.0E-89         AS202033.1         INT           23801         37423         1.36         7.0E-89</td><td>Exon<br/>NO:<br/>18174         OAF SEQ<br/>SIgnel<br/>ID NO:<br/>18174         Expression<br/>Signel<br/>ID NO:<br/>18174         (Top Hit<br/>Signel<br/>ID NO:<br/>18174         Most Similar<br/>Signel<br/>ID NO:<br/>18174         Top Hit<br/>Signel<br/>ID NO:<br/>ID Signel<br/>ID Signel<br/>ID NO:<br/>ID Signel<br/>ID Signel<br/>ID NO:<br/>ID Signel<br/>ID Signel</td><td>Exon<br/>NO:         ORF SEQ<br/>ID NO:         Expression<br/>Signal         (Top) Hit<br/>Pake         Top Hit<br/>Pit Acession<br/>Value         Top Hit<br/>Pit Acession<br/>No:         Top Hit<br/>Database<br/>Source           18174         31151         7.29         7.0E-89         AL045748.1         EST_HUMAN           18744         31779         1.22         7.0E-89         AL045748.1         EST_HUMAN           18640         33001         1.57         7.0E-89         7.0E-89         NT           20734         34211         1.57         7.0E-89         7.0E-89         NT           20734         34211         1.54         7.0E-89         7.0E-89         NT           21445         34664         0.58         7.0E-89         14420754 NT         NT           21445         34664         0.58         7.0E-89         1447718 NT         NT           21445         34664         0.58         7.0E-89         1447718 NT         NT           23783         37396         0.53         7.0E-89         1447718 NT         NT           23783         37396         1.34         7.0E-89         AB0020630.1         NT           2472         1.39         7.0E-89         AB0020630.1         NT           14214</td></t<> <td>Exon<br/>NO:         ORF SEQ<br/>ID NO:         Expression<br/>Signal         (Top) Hit<br/>Pake         Top Hit<br/>Database         Top Hit<br/>Source           18174<br/>1874<br/>1874<br/>1874<br/>1874<br/>1874<br/>1874<br/>1874</td> <td>Exon<br/>NO:         ORF SEQ<br/>ID NO:         Expression<br/>Signal<br/>Signal<br/>No:         (Top) Hit<br/>Value<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature<br/>Nature</td> <td>Exon<br/>NO:         ORF SEQ<br/>SEQ ID<br/>ID NO:         Expression<br/>Signal         (Top) Hit<br/>Value         Top Hit Acession<br/>Value         Hit Acession<br/>Value         Top Hit Acessi</td> <td>Expn<br/>NO:         ORF SEQ<br/>ID NO:         Expression<br/>Signal         (Top) Hit<br/>Puble         Top Hit<br/>Top Hit<br/>No:         Top Hit<br/>Database<br/>Source           18174         31151         7.29         7.0E-89         ALD45748.1         EST HUMAN           18174         31779         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         X99832.1         NT           19640         33001         1.57         7.0E-89         799830.8         NT           20734         34211         1.54         7.0E-89         79880.8         NT           2145         34664         0.66         7.0E-89         71417718 NT           21745         34664         0.66         7.0E-89         MS2048.1         NT           23780         37296         1.34         7.0E-89         MS2048.1         NT           23801         37423         1.34         7.0E-89         MS2048.1</td> <td>Exon<br/>NO:         CAPE SEQ<br/>SEQ ID<br/>ID NO:         Expression<br/>Signal<br/>Signal         Most Similar<br/>Value         Top Hit Acession<br/>Value         In Top Hit Acession<br/>Value</td> <td>Exon<br/>NO:         ORF SEQ<br/>SIgnel         Expression<br/>Value         (Top) Hit Acession<br/>Value         Top Hit Acession<br/>Value         Top Hit Acession<br/>Value         Top Hit Acession<br/>Source           18174         31778         7.22         7.0E-89 AL045748.1         EST HUMAN         In The Hit Acession<br/>Source           18744         31778         1.22         7.0E-89 AL045748.1         EST HUMAN         In The Hit Acession<br/>Source           18744         31778         1.22         7.0E-89 AL045748.1         EST HUMAN         In The Hit Acession<br/>Source           19640         33000         1.57         7.0E-89 AL045748.1         In The Hit Acession<br/>Total Source         In The Hit Ac</td> <td>Exon<br/>NO:         CAPE SEQ<br/>SEQ ID<br/>ID NO:         Expression<br/>Signal         Most Similar<br/>Value         Top Hit Acession<br/>Value         Top Hit Acession<br/>Source         Top Hit Acession<br/>Value         Top Hit Acession<br/>Source         Top Hit Acession<br/>Source         Top Hit Acession<br/>Source           18774         31778         7.22         7.0E-89 AL045748.1         EST HUMAN         ET HUMAN           18744         31779         1.22         7.0E-89 AL045748.1         EST HUMAN         In I</td> <td>Exon ORF SEQ Expression (Top) Hit Top Hit Acession Database NO: Signel Signel (Top) Hit Top Hit Acession (Top) Hit Top /td> <td>Exon No. Signel Signel (Top) Hit Top Hit Acession Top Hit Top Hit Acession Signel Sign</td> <td>Exon<br/>NO:         CAPE SEQ<br/>SEQ ID<br/>NO:         Expression<br/>Signel         Most Similar<br/>Value         Top Hit Acession<br/>Value         Top Hit Acession<br/>Source         Top Hit Acession<br/>Source           18174<br/>1874<br/>1874<br/>31778<br/>1864<br/>1864<br/>33000<br/>157<br/>3200<br/>1874<br/>3275<br/>3280<br/>1378<br/>3178<br/>1841<br/>3178<br/>1841<br/>3178<br/>3178<br/>3178<br/>3178<br/>3178<br/>3178<br/>3178<br/>317</td> <td>Example 10 Program (1975)         Most Smillur (1975)         Top-Hill (1975)</td> | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signel         (Top) Hit<br>Pake         Top Hit Acession<br>Name         Top Hit<br>Database           18174         31151         7.29         7.0E-89         ALD45748.1         EST HUMAN           18744         31778         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         7.0E-89         NT           19640         33001         1.57         7.0E-89         7.0E-89         NT           27145         34664         0.68         7.0E-89         1447718 NT           27145         34664         0.68         7.0E-89         1447718 NT           21145         34664         0.68         7.0E-89         1447718 NT           2145         32664         0.68         7.0E-89         1447718 NT           2145         37396         1.34         7.0E-89         MS2046.1         NT           23783         37396         1.34         7.0E-89         MS2046.1         NT           23801         37423         1.36         7.0E-89         MS202080.1 | Exon<br>NO:         OAF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Pakue         Top Hit<br>No.         Top Hit<br>Source           18174         31151         7.29         7.0E-89         ALD45748.1         EST HUMAN           18744         31778         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         X99832.1         NT           19640         33000         1.57         7.0E-89         7.0E-89         NT           20734         34211         1.84         7.0E-89         1141718 NT           2145         34664         0.88         7.0E-89         1141718 NT           21745         34664         0.88         7.0E-89         1141718 NT           21754         35289         0.58         7.0E-89         1417718 NT           23783         37326         1.34         7.0E-89         X62048.1         NT           23801         37424         1.36         7.0E-89         X62048.1         NT           23781         37424         1.36         7.0E-89         X62048.1         NT | Exon<br>NO:         OAF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Pake         Top Hit<br>No.         Top Hit<br>Source           18174         31151         7.29         7.0E-89         ALO45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALO45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         ALO45748.1         EST HUMAN           18640         33000         1.57         7.0E-89         AC4045748.1         INT           20734         34211         1.57         7.0E-89         AC4045748.1         INT           2145         34664         0.58         7.0E-89         AC40808.INT         INT           2145         34664         0.58         7.0E-89         11417118.INT           21744         3664         0.58         7.0E-89         11417118.INT           21745         34664         0.58         7.0E-89         11417118.INT           23783         37396         1.34         7.0E-89         AS202043.1         INT           23801         37423         1.36         7.0E-89         AS202033.1         INT           23801         37423         1.36         7.0E-89 | Exon<br>NO:<br>18174         OAF SEQ<br>SIgnel<br>ID NO:<br>18174         Expression<br>Signel<br>ID NO:<br>18174         (Top Hit<br>Signel<br>ID NO:<br>18174         Most Similar<br>Signel<br>ID NO:<br>18174         Top Hit<br>Signel<br>ID NO:<br>ID Signel<br>ID Signel<br>ID NO:<br>ID Signel<br>ID Signel<br>ID NO:<br>ID Signel<br>ID Signel | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Pake         Top Hit<br>Pit Acession<br>Value         Top Hit<br>Pit Acession<br>No:         Top Hit<br>Database<br>Source           18174         31151         7.29         7.0E-89         AL045748.1         EST_HUMAN           18744         31779         1.22         7.0E-89         AL045748.1         EST_HUMAN           18640         33001         1.57         7.0E-89         7.0E-89         NT           20734         34211         1.57         7.0E-89         7.0E-89         NT           20734         34211         1.54         7.0E-89         7.0E-89         NT           21445         34664         0.58         7.0E-89         14420754 NT         NT           21445         34664         0.58         7.0E-89         1447718 NT         NT           21445         34664         0.58         7.0E-89         1447718 NT         NT           23783         37396         0.53         7.0E-89         1447718 NT         NT           23783         37396         1.34         7.0E-89         AB0020630.1         NT           2472         1.39         7.0E-89         AB0020630.1         NT           14214 | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Pake         Top Hit<br>Database         Top Hit<br>Source           18174<br>1874<br>1874<br>1874<br>1874<br>1874<br>1874<br>1874 | Exon<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signal<br>Signal<br>No:         (Top) Hit<br>Value<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature<br>Nature | Exon<br>NO:         ORF SEQ<br>SEQ ID<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Value         Top Hit Acession<br>Value         Hit Acession<br>Value         Top Hit Acessi | Expn<br>NO:         ORF SEQ<br>ID NO:         Expression<br>Signal         (Top) Hit<br>Puble         Top Hit<br>Top Hit<br>No:         Top Hit<br>Database<br>Source           18174         31151         7.29         7.0E-89         ALD45748.1         EST HUMAN           18174         31779         1.22         7.0E-89         ALD45748.1         EST HUMAN           18744         31779         1.22         7.0E-89         X99832.1         NT           19640         33001         1.57         7.0E-89         799830.8         NT           20734         34211         1.54         7.0E-89         79880.8         NT           2145         34664         0.66         7.0E-89         71417718 NT           21745         34664         0.66         7.0E-89         MS2048.1         NT           23780         37296         1.34         7.0E-89         MS2048.1         NT           23801         37423         1.34         7.0E-89         MS2048.1   | Exon<br>NO:         CAPE SEQ<br>SEQ ID<br>ID NO:         Expression<br>Signal<br>Signal         Most Similar<br>Value         Top Hit Acession<br>Value         In Top Hit Acession<br>Value | Exon<br>NO:         ORF SEQ<br>SIgnel         Expression<br>Value         (Top) Hit Acession<br>Value         Top Hit Acession<br>Value         Top Hit Acession<br>Value         Top Hit Acession<br>Source           18174         31778         7.22         7.0E-89 AL045748.1         EST HUMAN         In The Hit Acession<br>Source           18744         31778         1.22         7.0E-89 AL045748.1         EST HUMAN         In The Hit Acession<br>Source           18744         31778         1.22         7.0E-89 AL045748.1         EST HUMAN         In The Hit Acession<br>Source           19640         33000         1.57         7.0E-89 AL045748.1         In The Hit Acession<br>Total Source         In The Hit Ac | Exon<br>NO:         CAPE SEQ<br>SEQ ID<br>ID NO:         Expression<br>Signal         Most Similar<br>Value         Top Hit Acession<br>Value         Top Hit Acession<br>Source         Top Hit Acession<br>Value         Top Hit Acession<br>Source         Top Hit Acession<br>Source         Top Hit Acession<br>Source           18774         31778         7.22         7.0E-89 AL045748.1         EST HUMAN         ET HUMAN           18744         31779         1.22         7.0E-89 AL045748.1         EST HUMAN         In I | Exon ORF SEQ Expression (Top) Hit Top Hit Acession Database NO: Signel Signel (Top) Hit Top Hit Acession (Top) Hit Top | Exon No. Signel Signel (Top) Hit Top Hit Acession Top Hit Top Hit Acession Signel Sign | Exon<br>NO:         CAPE SEQ<br>SEQ ID<br>NO:         Expression<br>Signel         Most Similar<br>Value         Top Hit Acession<br>Value         Top Hit Acession<br>Source         Top Hit Acession<br>Source           18174<br>1874<br>1874<br>31778<br>1864<br>1864<br>33000<br>157<br>3200<br>1874<br>3275<br>3280<br>1378<br>3178<br>1841<br>3178<br>1841<br>3178<br>3178<br>3178<br>3178<br>3178<br>3178<br>3178<br>317 | Example 10 Program (1975)         Most Smillur (1975)         Top-Hill (1975) |

Page 409 of 550 Table 4 Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	Homo sepiens PXR2b protein (PXR2b), mRNA	Homo sapiens PXR2b protein (PXR2b), mRNA	Homo saplens PXR2b profein (PXR2b), mRNA	Homo sapiens PXR2b protein (PXR2b), mRNA	Homo sapiens mRNA for KIAA1342 protein, partial c <del>ds</del>	qg96c08.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843022 3' similar to gb.J04131 GAMMA-GLUTAMYLTRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Alu repetitive element;	Homo saplens topoisomerase-related function protein (TRF4-2) mRNA, partial cds	H.sepians HCK gene for tyrosine kinase (PTK), exons 10-11	H.sepiens HCK gene for tyrosine kinase (PTK), exone 10-11	Hama saplens chromosome 21 segment HS21C003	Homo sapiens GGT gene, expn 5	601085996F1 NIH_MGC_10 Homo eaplens oDNA clone IMAGE:3452423 6'	Homo sapiens gene for LECT2, complete ads	Human N-ethylmaleimide-sensitive factor mRNA, partial ods	Hama sapiens chromosome 21 segment HS21C085	Human GT24 (GT24) mRNA, partial cds	Homo sapiens solute carrier family 24 (sodium/potassium/calcium exchanger), member 2 (SLC24A2), mRNA	Homo sapiens partial mRNA for PEX5 related protefin	Homo sepiens mRNA for KIAA1333 protein, partiel cds	Homo sapiens CaBP5 (CABP5) gene, exon 5	Homo sapiens CaBP5 (CABP5) gene, exon 5	Homo sapiens integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) (17GA3), mRNA	Homo sapiens cell adhesion molecule with homology to L1CAM (close homologue of L1) (CHL1), mRNA	Human MAGE-7 antgen (MAGE7) pseudogene, complete cds	Homo sapiens human endogenouo ratrovirus W gagG3.37 G gag (gag) gone, complete cds	hr81d09.x1 NCI_CGAP_Kld11 Homo septens oDNA clone IMAGE:3134897 3' similar to TR:064778 O54778 SOLUTE CARRIER FAMILY 22 -LIKE 2 PROTEIN ;	In81d09.x1 NCL_CGAP_Kbd11 Homo septiens cDNA clone IMAGE:3134897 3' stmitar to TR:054778 O54778 SOLUTE CARRIER FAMILY 22 -LIKE 2 PROTEIN ;
Top Hit Database Source	NT	LZ LZ	LN	TZ	L/L	EST_HUMAN	LI	F	NT	LN LN	LN	EST_HUMAN	٦	TN	LN.	Ę	TN	LN	TN	LN	NT	TN	۲	Ā	LN TN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	7706670 NT	TV08870 NT	TN05870 NT	7706670 NT	2.0E-89 AB037763.1	2.0E-89 A1222095.1	2.0E-89 AF089897.1	2.0E-89 X58742.1	2.0E-89 X58742.1	2.0E-89 AL163203.2			2.0E-89 AB007546.1	2.0E-89 U03985.1	2.0E-89 AL163285.2	2.0E-89 U81004.1	11,428801 NT			2.0E-89 AF170814.1	2.0E-89 AF170814.1	11434411 NT	11433673 NT	2.0E-89 U10692.1	2.0E-89 AF156981.1	1.0E-89 BF196052.1	1.0E-89 BF196052.1
Most Similar (Top) Hit BLAST E Value	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89						2.0E-89					2.0E-89	2.0E-89	2.0E-89	2.0E-89	1.0E-89	
Expression Signal	0.73	0.73	0.89	0.89	0.63	1.53	1.18	5.14	5.14	1.13	-	1.39	3.55	1.5	0.79	6.28	3.11	0.0	0.72	1.22	1.22	2.63	3.62	2.	4.25	6.88	6.88
ORF SEQ ID NO:				26657		29135		30402		30587			31842		32865		34722	35229	L	36647	36648	38425	38554	38703		38561	38562
SEQ ID NO:	13816	13616	13616	1	L	16122	17408	17414	i	17609	17756	1	18793	١ ١	19509	H			22569	ŀ		24734	24859	25001	_	24865	24885
Probs SEQ ID NO:	128	129	421	421	543	2945	4263	4269	4269	4469	4619	5459	5598	5909	6339	7847	8119	8612	9453	10015	10015	11655	11871	12017	12877	11877	11877

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Top Hit Descriptor	Homo sepiens chromosome 21 segment HS21C046	Homo sapiens chromosome 21 segment HS21C046	Homo saplens chromosome 21 segment HS21C046	Homo sapiens chromosome 21 segment HS21C046	IN 7e36f08 X1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3284583 3'	N 7e36f08.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3284583 3'	AN RC1-HT0598-120400-022-b08 HT0598 Homo sapiens cDNA	qg96c08.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843022 3' similar to gb:J04131 AN GAMMA-GLUTAMY_TRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Alu repetitive element;	qg96c08.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843022 3' similar to gb.J04131 an GAMMA-GLUTAMYLTRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Au repetitive element;	Homo saplens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively	beilde			Ì			yr86e04.31 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:212190 3' similar to AN SP:C1TC HUMAN P11586 C-1-TETRAHYDROFOLATE SYNTHASE, CYTOPLASMIC;	4N 602071208F1 NCI_CGAP_Brn64 Homo sapiens cDNA clone IMAGE:4214257 5'	H, saplens ECE-1 gene (exon 6)	H.sapiens ECE-1 gene (exon 6)	Homo sapiens hypothetical protein FLJ10388 (FLJ10388), mRNA	Homo sapiens hypothetical protein FLJ10388 (FLJ10388), mRNA	Homo sepiens H9GCN1 mRNA, partial cds	Homo sapiens HsGCN1 mRNA, partial cds	Homo sepiens inositol 1,4,5-triphosphate receptor, type 3 (ITPR3) mRNA	Homo sapiens Inositol 1,4,5-triphosphate receptor, type 3 (ITPR3) mRNA	Homo sapiens TCL6 gene, exon 1-10b	Human gamma-aminobutyric acid transaminase mRNA, partial cds
Top Hit Database Sœurce	_	Ţ	Ţ	_	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	٦	NT	11	ΤΙ	۲	IN	Τ	Ţ	N	Į.
Top Hit Acession No.	9.0E-90 AL163246.2 NT	9.0E-90 AL163246.2 NT	8.0E-90 AL163246.2 NT	8.0E-90 AL163246.2 NT	8.0E-90 BE670561.1 E	8.0E-90 BE670561.1 E	8.0E-90 BE177830.1 E	8.0E-90 Al222095.1 E	8.0E-90 AI222095.1		7.0E-90 AF223391.1 N	7.0E-90 AA782977.1 E	7.0E-90 BE962626.2 E	7.0E-90 BE962525.2 E	7.0E-90 AW 273794.1 E	7.0E-90 H68849.1 E	7.0E-90 H68849.1	5	6.0E-90 X91926.1	6.0E-90 X91926.1	N 8922398 NT	TN 8922398 NT		6.0E-90 U77700.1	4504794 NT	0 4504794 NT	1.1	5.0E-90 U80226.1 N
Most Similar (Top) Hit BLAST E Value	9.0E-90	9.0E-90	8.0E-90	8.0E-90	8.0E-90	8.0E-90	8.0E-90	8.0E-90	8.0E-90		7.0E-90	7.0E-90	7.0E-90	7.0E-90	7.0E-90	7.0E-90	7.0E-90	7.0E-90	6.0E-90	6.0E-90	6.0E-90	6.0E-90	6.0E-90	6.0E-90	6.0E-90	6.0E-90	5.0E-9¢	5.0E-90
Expression Signal	1.07	1.07	4.38	2.91	3,26	3.26	9.0	1.38	1.38		6.81	2.14	.2.13	2.13	0.46	4.2	4.2	ľ		1.16	11.21	11.21		2.84		4.01	.,	6.22
ORF SEQ ID NO:	35035	35036	27309	27309	27591	27592	35377	37654	37655				35787	36788	36844	36985	36986				_		32618	L	35140			27439
Exon SEQ ID NO:	21503	21503	14254	14254	16035	16035	21836	24021	24021	1	14036	21699	22244	22244	23256	23375	23375	23706	1	1	Ĺ.		١	19285	i	1		14380
Probe SEQ ID NO:	8422	8422	1088	1089	1361	1361	8757	10939	10939		859	8619	9166	9166	10220	10340	10340	10672	3136	3136	4342	4342	6105	6105	8522	8522	159	1219

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Table 4
Single Exon Probes Expressed in Placenta

	<del></del>		_			_				_			_															
Source Top Hit Top Hit Descriptor	og98c08.x1 Soares_NFL_T_GBC_S1 Homo saplens oDNA clone IMAGE:1843022.3' similar to gb:J04131 GAMMA-GLUTAMYLTRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Alu repetitive element;	9996098x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843022 3' similar to gb:J04131 GAMMA-GLUTAMYLTRANSPEPTIDASE 1 PRECURSOR (HUMAN):contains Alu reportitiue element	Homo sepiens Intersectin long is from (TSN) mRNA. complete ode	Homo sapiens pregnancy-zone protein (PZP) mRNA	Homo sapiens chromosome 21 segment HS21C001	H.saplens mRNA encoding phospholipase o	Homo sapiens EVI5 homdog mRNA, complete cds	Homo sapiens ELKS mRNA, complete cds	H.sapiens mRNA encoding phospholipase c	Homo sapiens Carbonic anhydrase-related protein 10 /LOC569341, mRNA	Homo sapiens Carbonic anhydrase-related protein 10 (LOCS6934) mRNA	Homo sapiens angiopoletin 4 (ANG4) mRNA, partial cds	Homo sapiens andiopoletin 4 (ANG4) mRNA partial cds	Homo saplens adenylate cyclase 9 (ADCY9) mRNA	Homo saplens hypothetical protein FLJ13222 (FLJ13222) mRNA	Homo sapiens similar to ectonucleotide pyrophosphatase/phosphodiesterase 3 (H. sapiens) (LOC63214). mRNA	Homo sapiens calcium-binding transporter mRNA, partial cds	Homo saplens ATPase, aminophosphalipid fransnorfar-ilke. Class 1 tone 88. monton 2 (ATDBA2). TONA	Homo saplens KIAA0317 gene product (KIAA0317) mBNA	Homo saplens KIAA0317 gene product (KIAA0317), mRNA	Homo sapiens gene for AF-6, complete cds	878h05.x1 Barstead eorta HPLRB6 Homo sapiens cDNA chine IMAGE-2128784.3	Homo saplens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	Homo sapiens myosin phosphatase, terget subunit 1 (MYPT1) mRNA	H.saplens gene encoding discoidin receptor tyrosine kinase. excn 16	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA
Top Hit Database Source	EST_HUMAN	EST_HUMAN	NT	LN	FN	LN	ΙN	LN	LN PA	FN	Į.	ĻΝ	LN.	۲	Į.	L	LΝ	FZ	LZ	ZZ	L	EST_HUMAN	Ę	LX	トス	Z	1	L∠
Top Hit Acession No.	5.0E-90 AI222095.1	5.0E-90 A1222095.1	5.0E-90 AF114487.1	4506354 NT	5.0E-90 AL 163201.2	5.0E-90 Z16411.1	5.0E-90 AF008915.1	5.0E-90 AB015617.1	5.0E-90 Z16411.1	9910365 NT	9910365 NT	5.0E-90 AF113708.1	5.0E-90 AF113708.1	4557258 NT	11345483 NT	11419429 NT	5.0E-90 AF123303.1	11433721 NT	7662051 NT	7662051 NT	L	5.0E-90 A/523366.1		4.0E-90 AF231920.1	4505316 NT	1	6806918 NT	6806918 NT
Most Similar (Top) Hit BLAST E Value	5.0E-90	5.0E-90	6.0E-90	6.0E-90	5.0E-90	6.0E-90	5.0E-90	5.0E-80	6.0E-90	5.0E-90	5.0E-90	5.0E-90	6.0E-90	5.0E-90	6.0E-80	5.0E-80	5.0E-90	5.0E-80	5.0E-90	5.0E-90	5.0E-90	5.0E-90 /	4.0E-90	4.0E-90/	4.0E-90	4.0E-90 X99033	4.0E-90	4.0E-90
Expression Signal	1.07	1.07	2.37	4.51	0.78	2.85	0.72	1.32	1.88	0.95	980	2.04	2.04	7.98	4.89	1.17	0.71	99:0	0.53	0.53	1.77	4.54	2.04	2.04	4.36	13.42	0.74	0.74
ORF SEQ ID NO:	28116		28859			32196									35107		37133	37306	37362	37363			26562	26563	27332	27966	29114	29115
Excel SEQ ID NO:	15010	15010	15745	17797	17818	18901	18919	19000	18901	20021	20021	20443	20443	20797	21569	22822	23523	23697	23756	23756	25659	25649	13529	13529	14275	14874	16101	16101
Probe SEQ ID NO:	1864	1864	2622	4662	4683	6708	5726	5810	5886	6869	6889	7364	7384	7736	8488	9882	10488	10663	10723	10723	12948	13000	313	313	1110	1724	2823	2823

Page 412 of 550 Table 4 Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo saplens DNA for amyloid precursor protein, complete cds	Homo sapiens mRNA for KIAA1244 protein, partial odo	Human prohormone converting enzyme (NEC2) gene, excn 8	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	UI-H-BW 1-any-b-04-0-UI.s1 NCL_CGAP_Sub7 Homo sepiens cDNA clone IMAGE:3083839 3'	UI-H-BW 1-arry-b-04-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE:3083839 3'	601335244F1 NIH_MGC_39	601067378F1 NIH_MGC_10 Homo saptens cDNA clone IMAGE:3453834 5'	Homo sapiens high-mobility group (nonhistone chromosomal) protein 17 (HMG17), mRNA	Homo saplens high-mobility group (nonhistone chromosomal) protein 17 (HMG17), mRNA	qo54c02.x1 Soares_placenta_8tc9veeks_2NbHP8tc9W Horno saplens cDNA clone IMAGE:1713410 3' similar to SW:OLF3_MOUSE P23275 OLF4CTORY RECEPTOR OR3:;	Homo saplens mRNA for KIAA0289 gene, partial cds	Homo sapiens GRB2-related adaptor protein (GRAP) mRNA	Homo sapiens RaP2 interacting protein 8 (RPIP8), mRNA	Homo sapiens RaP2 interacting protein 8 (RPIP8), mRNA	be49406.y3 NIH_MGC_10 Hamo saplens oDNA clone IMAGE:2899861 5' similar to TR:075208 075208 HYPOTHETICAL 35.5 KD PROTEIN.;	Homo sapiens similar to laminin receptor 1 (67kD, ribosomal protein SA) (H. sapiens) (LOC63484), mRNA	Homo sapiens similar to laminin receptor 1 (67kD, ribosomal protein SA) (H. sapiens) (LOC63484), mRNA	AU118985 HEMBA1 Homo sapiens cDNA clone HEMBA1004795 5'	AU118985 HEMBA1 Homo saplens oDNA clone HEMBA1004795 5'	Homo sapiens myosin, heavy polypeptide 4, skeletal muscle (MYH4), mRNA	Homo sapiens amyloid bota (A4) precursor protein (protease nexin-ll, Alzheimer disease) (APP), mRNA	Homo sapiens chromosome 21 unknown mRNA	Homo saplens chromosome 21 unknown mRNA	Homo sapiens mRNA for T-box transcription factor (TBX20 gene), partial	Homo saplens mRNA for T-box transcription factor (TBX20 gene), partial
Top Hit Database Source	NT	TN	TN	NT	TN	۲N	Į.	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	N.	FZ	EST HUMAN	NT.	N-	F	NT NT	EST_HUMAN	TN	FN	EST_HUMAN	EST HUMAN	NT	NT	NT	FZ	NT	NT
Top Hit Acession No.	6806918 NT	6806918 NT	4.0E-90 D87675.1	4.0E-90 AB033070.1	4.0E-90 M95967.1	6806918 NT	6806918 NT	3.0E-90 BF516168.1	3.0E-90 BF516168.1	3.0E-90 BE563833.1	2.0E-90 BE537913.1	5031748 NT	5031748 NT	2.0E-90 Al138213.1	2.0E-90 AB006627.1	5729855 NT	11525901 NT	11525901 NT	2.0E-90 AW672686.1	11427320 NT	11427320 NT	2.0E-90 AU118985.1	2.0E-90 AU118985.1	11024711 NT	4502166]NT	1.0E-90 AF231920.1	1.0E-90 AF231920.1	1.0E-90 AJ237589.1	1.0E-90[AJ237589.1
Most Similar (Top) Hit BLAST E Value	4.0E-90	4.0E-90	4.0E-90			4.0E-90	4.0E-90	3.05-90	3.0E-90	3.05-90	2.0E-90	2.0E-90	2.0E-90	2.05-90	2.0E-90	2.0E-90	2.0E-90	2.0E-90	2.0E-90	2.0E-90	2.0E-90	2.0E-90	2.0E-90	2.0E-90	1.0E-90	1.0E-90	1.0E-90	1.0E-90	1.0E-90
Expression Signal	0.93	0.93	3.63	2.1	1.91	1.74	1.74	0.91	16.0	28.7	4.5	6.48	6.48	2.95	1.05	10.16	9.0	9.0	3.89	0.99	0.99	1.48	1.46	3.06	1.4	2.28	1.56	1.92	1.92
ORF SEQ ID NO:	29281	29282		31037	31047		29115				26473	27421		30103	1	L		32396		<u> </u>	36624				26539				
Exen SEQ ID NO:	16264	16264		18049	18059	١	1	21118	21119	24916	ì	14382	14362	17108	1	1	١.	١.	1	<u></u>	23032	١	Ł	23844		16983	1		LI
Probe SEQ ID NO:	3088	3088	4779	4919	4939	12885	12885	8036	8036	11930	220	1200	1200	3948	4811	6029	5896	5896	5903	8866	8666	10165	10165	11758	287	385	386	713	713

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Single Exon Proper Expressed in Placeflia	Top Hit Descriptor	Homo saplens ALR-like protein mRNA, partial cds	Homo sapiens ALR-like protein mRNA, partial cds	Homo saplens Kruppel-like factor 7 (ubiquitous) (KLF7), mRNA	Homo capiens protein phosphalase 2A BR gamma subunit gene, exon 3	Homo sapiens protein phosphatasa 2A BR gamma subunit gene, exon 3	601159563F2 NIH_MGC_53 Home septens cDNA clone IMAGE:3511118 5	Homo sapiens similar to SALL1 (sal (Drosophila)-like (LOC57167), mRNA	Homo sapiens chromosome 8 open reading frame 2 (OBORF2), mRNA	Homo sapiens mRNA for KIAA0903 protein, partial cds	Homo sapiens mRNA for KIAA0903 protein, partial cds	Homo saplens soluble interfeukin 1 receptor accessory protein (IL1RAP) gene, exon 8, alternative exons 9	and complete cds, aremanyay spiroed	HONO SECTIONAL TO NAMED SPORMIN, DEFUEL COS	Homo sapiens KIAA0623 gene product (KIAA0623), mRNA	Human retina-derived POU-domain factor-1 mRNA, complete cds	Homo sapiens solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6 (SLC1A6),	MKNA	Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 2 (BIG2), mRNA	Homo sapiens SNCA isoform (SNCA) gene, complete cds, alternatively spliced	Homo sapiens CGI-15 protein (LOC51006), mRNA	Homo sapiens CGI-15 protein (LOC51006), mRNA	HUM000S381 Liver HepG2 cell line. Homo septiens cDNA clone s381 3'	Homo sapiens makorin, ring finger protein, 1 (MKRN1), mRNA	CM-BT043-090209-075 BT043 Homo sapiens cDNA	z/30b04.s1 Scares fetal liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:4480153'	AU143539 Y79AA1 Homo sapiens cDNA clone Y79AA1002087 5	AU143539 Y79AA1 Hamo septiens cDNA clone Y79AA1002087 5	Homo saplens chromosome 22 open reading frame 5 (C22ORF6), mRNA	Homo saplens chromosome 22 open reading frame 5 (C22ORF5), mRNA	au49/09.x1 Schneider fefal brain 00004 Homo sapiens cDNA clone IMAGE:2518121 3' similar to SW:ASPG FLAME Q47899 N44BETA-N-ACETYLGLUCOSAMINYL)-L-ASPARAGINASE PRECURSOR ;	601901624F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4130933 5	AV649878 GLC Homo septens cDNA clone GLCBYF08 3
e Exon Prop	Top Hit Database Source	I-N	FN	TN	NT	NT	EST_HUMAN	NT	NT	NT	NT	Į.	Z	N.	L	M		Z	M	Ę	ΝT	TN	EST_HUMAN	L	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	TN	ΝŢ	EST HUMAN	EST_HUMAN	EST_HUMAN
Billo	Top Hit Acession No.	1.0E-90 AF284750.1	1.0E-90 AF264750.1	4507828 NT	1.0E-90 AF096154.1	1.0E-90 AF096154.1	1.0E-90 BE379884.1	11420514 NT	6005720 NT	1.0E-90 AB020710.1	1.0E-90 AB020710.1		1.0E-90[AF16/340.1	1.0E-90 AB014333.1	11426910 NT	1.0E-80 U91934.1		11426758 NT	11422086 NT	1.0E-90 AF163864.1	11422109 NT	11422109 NT	312234.1	11419234 NT	7.0E-91 A1904151.1	5.0E-91 AA702794.1	5.0E-91 AU143539.1	5.0E-91 AU143539.1	7110634 NT	7110634 NT	5.0E-91 A1879995.1	5.0E-91 BF314682.1	5.0E-91 AV649878.1
	Most Similar (Top) Hit BLAST E Value	1.0E-90	1.0E-90	1.0E-90	1.0E-90.1	1.0E-90/	1.0E-90	1.0E-90	1.0E-90	1.0E-90/	1.0E-90/	4 000 000	1.05-501	1.05-30.1	1.0E-90	1.0E-90		1.05-90	1.0E-90	1.0E-90.1	1.0E-90	1.0E-90	8.0E-91 D12234.1	7.0E-91	7.0E-91	5.0E-91	5.0E-91	5.0E-91	5.0E-91	5.0E-91	5.0E-91	5.05-91	5.0E-91/
***************************************	Expression Signal	17.93	17.93	2.25	3.46	3.46	2.61	3.73	6.46	0.69	0.59	,	20.1	Z.ug	6.0	0.73		2.31	e	0.92	1.4	1.4	8.29	1.14	0.65	1.85	1.14	1.14	0.67	0.67	82	1.33	1.47
	ORF SEQ ID NO:		26972		27560	27561		28195		30112		0000	1		32460				35640		36148			. 35118						31043	33300		35581
	Exon SEQ ID NO:	13929	13929	14299	14491		ı	15094		17112	17112	1	80/	18983	19145	20085		20904		- 1	22581	1	1 1		23542	16728	17775	17775	18060	18080	19906	21481	22039
	Probe SEQ ID NO:	748	748	1134	1334	1334	1701	1961	2915	3954	3954	2	300	28/0	5959	7220		7849	9021	9493	9518	9516	4313	8501	10507	3563	4639	4639	4930	4930	6750	8400	8960

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Top Hit Descriptor	AV649878 GLC Homo sepiens cDNA clone GLCBYF08 3'	qe70111.x1 Soares fetal jung NbHL19W Homo sapiens cDNA clone IMAGE:1744365 3' similar to contains MIR.b2 MIR MIR repetitive element;	Homo sapiens tysophosphatidic acid acytransferase-data (LPAAT-data) mRNA, complete cds	Homo sapiens lysophosphalidic acid acytransferase-delta (LPAAT-delta) mRNA, complete cds	Homo saplens chromosome 21 segment HS210084	EST01579 Hippocampus, Stratagene (cat. #936205) Homo sapiens cDNA clone HHCMC60 sImilar to Retrovirus-related gag polyprotein	EST01579 Hippocampus, Stratagene (cat. #636205) Homo sapiens cDNA clone HHCMC60 similar to	Retrovirus-related gag polyprotelin	EST01579 Hippocampus, Statagene (cat. #936205) Homo sapiens cDNA clone HHCMC60 similar to Retrovirus-related gag polyprotein	EST01579 Hippocampus, Stratagene (cet. #936205) Homo sapiens cDNA clone HHOMC60 similar to Behavious seleies near notembers	Homo sapiens solute carrier family 4, enton exchanger, member 3 (SLC4A3), mRNA	Longo canjane seluta cariar family 4 anim acchange marcher 3 (2) (243) mBNA	Hollio septembranitin contracting 4, and exchanger, member 3 (SEC-453), mixing the septembranitin contracting BIR-domain enzyme APOLLON mRNA, complete cds	Homo saplens chromosome 21 segment HS21C083	Homo sapiens mRNA for KIAA1278 protein, partial cds	Homo saplens mRNA for KIAA1278 protein, partial cds	Homo sapiens cyclin-D binding Myb-like protein mRNA, complete cds	Human Ku (p70/p80) subunit mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C085	Homo sapiens chromosome 21 segment HS21C085	Homo sapiens epididymal secretory protein (19.5kD) (HE1), mRNA	Homo sapiens cyclin-dependent kinase 6 (CDK6) mRNA	Homo saplene gemma-aminobutyric acid (GABA) B receptor, 1 (GABBR1), transcript variant 2, mRNA	Homo sapiens gamma-aminobutyric acid (GABA) B receptor, 1 (GABBR1), transcript variant 2, mRNA	Human L-type calcium channer beta-1 subunit (CACNLB1) gene, exons 10 and 11	Human L-type calcium channel beta-1 subunit (CACNLB1) gene, exons 10 and 11	Homo sapiens ankyrin-like with transmembrane domains 1 (ANKTM1), mRNA	Human mRNA for very low density lipoprotein receptor, complete cds
Top Hit Database Source	EST_HUMAN	EST HUMAN	E	LZ	L	EST HUMAN		EST_HUMAN	EST_HUMAN	TOT CHAMAN	11430193 NT	1	2 2	LZ	NT	L	FZ	LZ.	NT	LN TA	L	NT.	۲	FZ	FZ.	NT	NT	Ę
Top Hit Acession No.	5.0E-91 AV649878.1	5.0E-91 A1193566.1		4.0E-91 AF156778.1	4.0E-91 AL163284.2	477994.1		177994.1	A77894.1	177004 4	11430193	44490400	3.0E-91 AF265555 1 NT	T	T		3.0E-91 AF084530.1	3.0E-91 M30938.1	3.0E-91 AL163285.2	3.0E-91 AL163285.2	11434964 NT	4502740 NT	11497611 NT	11497811 NT	U86959.1	U86959.1	6601589 NT	
Most Similar (Top) Hit BLAST E Value	5.0E-91	5.0E-91	4.0E-91	4.0E-91	4.0E-91	4.0E-91 M77994.1		4.0E-91 M77994.1	4.0E-91 M77894.1	4 DE-04 MT7004 4	4.0E-94	20.00	3.0F-97	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.05-91	3.0E-91	3.0E-91 D16494.
Expression Signal	1.47	1.61	1.58	1.58	3.22	3.27		3.27	1.16	4	212	1000	111	1.29	4.85	4.85	0.93	4.41	1.48	1.48	3.55	2.56	2.98	2.98	4.48	4.48	0.69	273
ORF SEQ ID NO:	35582		29465	L		32074		32119	32019	CCCC	27885	2007	L	L	L		30047			31194	32296		33262	33263	L	34369		
Exen SEQ ID NO:	22039	25631	ı	l .		25267	1	25267	25457		$\perp$	200	15993	Ľ	Ľ		17047	•	1	18222	18993	l	19871	19871	l.	l		22049
Probe SEQ ID NO:	8960	12971	3272	3272	11171	12376		12376	12685	1000	1847	5 5	1832	3420	3551	3551	3888	4714	5094	5094	5803	6434	6713	6713	7816	7816	8132	8970

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Origio LAULTIONES LAPITESSOU ILLI IROGIUM	Top Hit Descriptor	Homo sapiens mRNA for KIAA0594 protein, partial cds	Homo sapiens mRNA for KIAA1080 protein, partial cds	Homo saplens mRNA for KIAA1080 protein, partial cds	Homo sapiens beta-ureldoproplonase (BUP1) gene, exon 6	Homo sepiens beta-ureldoproplanase (BUP1) gene, exan 6	Homo sepiens chromosome 21 segment HS21C084	UI-H-Bi3-aks-d-01-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2735280 3'	Hamo sepiens hypothetical protein PR01856 (PR01855), mRNA	602022088F1 NCI_CGAP_Brn67 Homo saplens cDNA clone IMAGE:4157804 5'	602022088F1 NCI_CGAP_Brn67 Homo sapiens cDNA clone IMAGE:4157804 5	AV763053 MDS Homo saplens cDNA clone MDSBEC05 5'	yn30e03 r1 Soares infant brain 1NIB Homo capiens cDNA clone IMAGE:49587 6'	Homo sapiens NKG2D gene, axon 10	Homo sapiens NKG2D gene, exch 10	Homo sapiens mRNA for KIAA0833 protein, partial cds	Human Na+,K+ ATPase alpha-subunit mRNA, partial cds	Homo sapiens hypothetical protein FLJ20266 (FLJ20260), mRNA	Homo sapiens NALP1 mRNA, complete cds	Homo sapiens partial TM4SF2 gene for tetraspanin protein, exon 5	Horno saplens partial TM4SF2 gene for tetraspanin protein, exon 5	Homo sapiens mRNA for KIAA1512 protein, partial cds	Horno saplens mRNA for KIAA1512 protein, partial cds	Homo sapiens brefeldin A-inhibited guanine nudeotide-exchange protein 2 (BiG2), mRNA	26f3 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA	601273513F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:3814887 5	Homo sapiens dacylglycerol kinase, gamma (90kD) (DGKG), mRNA	Homo saplens diacylglycsrol kinase, gamma (90kD) (DGKG), mRNA	Homo sapiens mRNA for KIAA1600 protein, partial cds	Homo sapiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete	spo	Homo sapiens MCP-4 gene	Homo sapiens DNA polymerase zeta catalytic subunit variant 1 (REV3L) mRNA, complete cds	Homo sapiens AIM-1 protein (LOC51151), mRNA	Human lens membrane protein (mp19) gene, exon 11
EXCIT LICE	Top Hit Deterbese Source	LY.	LZ	FZ	NT	LN	LN	EST HUMAN	LΝ	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN	占	LΝ	ΙN	ĹΝ	ΙN	LN	ΤN	TN	L'A	ΝŢ	EST_HUMAN	EST_HUMAN	NT	Ŋ	LΝ		۲N	TN	L	Ę	Ę
Billo	Top Hit Acession No.	3.0E-91 AB011168.1	3.0E-91 AB028003.1	3.0E-91 AB029003.1	3.0E-91 AF169655.1	3.0E-91 AF169555.1	1.0E-91 AL163284.2	1.0E-91 AW 449746.1	11434402 NT	1.0E-91 BF348182.1	1.0E-91 BF348182.1	1.0E-91 AV763063.1	1.0E-91 H15212.1	9.0E-92 AJ001689.1	9.0E-92 AJ001689.1	9.0E-92 AB020640.1	103007.1	11427149 NT	9.0E-92 AF310105.1	9.0E-92 AJ250566.1	9.0E-92 AJ250566.1	9.0E-92 AB040945.1	9.0E-92 AB040945.1 NT	11422086	8.0E-92 W26367.1	8.0E-92 BE386363.1	11434722 NT	11434722 NT	8.0E-92 AB046820.1		8.0E-92 AF284717.1	8.0E-92 AJ000979.1	8.0E-92 AF179428.1	11416961 NT	.04183.1
	Most Similar (Top) Hit BLAST E Value	3.0E-91	3.0E-91	3.0E-91	3.0E-91	3.0E-91/	1.0E-91/	1.0E-91	1.0E-91			1.0E-91	1.0E-91	9.0E-92				9.0E-92		9.0E-92	9.0E-92/	9.0E-92/	9.0E-92	9.0E-92	8.0E-92	8.0E-92	8.0E-92	8.0E-92	8.0E-92						8.0E-92 L04193.1
	Expression Signal	0.73	1.49	1.49	8.54	8.54	2.94	2.74	0.78	1.96	1.96	1.48	1.5	5.77	5.77	0.66	5.86	2.62	3.77	0.55	0.55	1.53	1.53	1.83	6.63	3.09	1.43	1.43	0.68		8.0	1.28	0.91	0.55	5.05
	ORF SEQ ID NO:	36108	38207	38208		31431	26300		31742	33640	33941	38814		27496	27497	31396		32210	33127	34644	34645	35191	35192	36095	26357		28119		L			33225	33228		35235
	Exon SEQ ID NO:	22845	24539	24539	18486	18486	13288	14431	18726	20211	20211	1	26114		14428	18426		18915		21124	21124		21650	22531	13330	13513	15012	16012	18707		18809	19836	19839	21385	21700
	Probe SEQ ID NO:	9488	11480	11480	13037	13037	49	1274	5529	6983	6983	12130	12540	1270	1270	5309	5579	5722	6883	8041	8041	8283	8569	9474	95	236	1868	1866	5508		5615	6877	0699	8283	8620

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	Top Hit Descriptor	Human lens membrane protein (mp19) gene, exon 11	Homo sapiens transcription termination factor, RNA polymerase II (TTF2), mRNA	Homo sapiens mRNA for KIAA0611 protein, partial cds	Homo saplens mRNA for MBNL protein	Homo sapiens nuclear mitogen- and stress-activated protein kinase-1 (MSK1) mRNA, complete cds	Homo sapiens dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex) (DLST) mRNA	Homo sapiens fragile X mental retardation, autosomal homolog 1 (FXR1), mRNA	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Homo saplens mRNA for KIAA0758 protein, partial cds	Homo sapiens mRNA for KIAA0758 protein, partial cds	Homo sapiens cytoplasmic Seprase truncated Isoform mRNA, complete cds	Homo sapiens B-cell CLLlymphoma 7b (BCL7B) mRNA	Homo sapiens ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mRNA	Homo saplens ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mRNA	Homo sapiens cystelne-rich repeat-containing protein S52 precursor, mRNA, complete cds	Homo saplens NRAS-related gene (D1S155E), mRNA	Homo sapiens T-cell lymphoma Invasion and metastasis 1 (TIAM1) mRNA	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	N-CAM≂145 kda neural cell adhesion molecule [human, small cell lung cancer cell line OS2-R, mRNA, 2960	ntj	N-CAM≃145 kda neural cell adhesion molecule [human, small cell lung cancer cell line OS2-R, mRNA, 2960   nt]	Homo sapiens prospero-related homeobox 1 (PROX1) mRNA	zw66d12.r1 Soares_testis_NHT Homo saptens cDNA clone IMAGE:781175 5	Homo sapiens Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3) (MJD), mRNA	Homo sapiens Machado-Joseph disease (spinocerebellar ataxia 3, elivopontocerebellar ataxia 3, autoscmal	dominant, ataxin 3) (MJD), mRNA	601501242F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3902939 57	EST91020 Synovial sercoma Homo sepiens cDNA 6' end similar to similar to ribosomal protein S13	Human mRNA for alpha-actinin	Hunan mRNA for alpha-actinin
ogo i llova o	Top Hit Database Source	LV.	Ŋ	LN	LN	LΝ	E	NT	LN	Ł	FZ	ΤN	NT	IN	IN	ĮN.	NT	TN	NT	-	Į.	TN	LN	EST_HUMAN	FX		LN.	EST_HUMAN	EST_HUMAN	NT	N.
e.	Top Hit Acession No.	104193.1	11426569 NT	8,0E-92 AB014511.1	Y13829.1	8.0E-92 AF074393.1	4503340 NT	11434704 NT	7.0E-92 M60678.1	7.0E-92 AB018301.1	7.0E-92 AB018301.1	7.0E-92 AF007822.1	4502384 NT	5031570 NT	5031570 NT	7.0E-92 AF167706.1	6005738 NT	4507500 NT	4507500 NT		7.0E-92 S71824.1	571824.1	4506118 NT	7.0E-92 AA446206.1	11434814 NT		11434814 NT	BE909714.1	3.0E-92 AA378336.1	3.0E-92 X15804.1	X15804.1
	Most Similar (Top) Hit BLAST E Value	8.0E-92)104193.1	8.0E-92	8.0E-92	8.0E-92 Y13829.1	8.0E-92	8.05-92	8.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92	7.0E-92		7.0E-92	7.0È-92 S71824.1	7.0E-92	7.0E-92	3.0E-92		3.0E-92	3.0E-92	3.0E-92	3.0E-92	3.0E-92 X15804.1
	Expression Signal	5.05	0.71	2.53	0.91	2.86	60	1.59	1.91	1.71	1.71	1.88	1.94	3.85	3.85	6.13	6.84	0.7	0.7		1.19	1.19	0.98	5.51	96.0		96.0	2.74	3.96	3.26	3.26
	ORF SEQ ID NO:	35236	35337			37755	38415	32028	26328	26498	28499		27533	28619	28520	28868			29610		30828	30829			28441				32504	37716	37717
	Exon SEQ ID NQ:	21700	21801	22339	23267	24127	24722	25491	13305	16008	16008	13793	14465	15393	15393	15753	15903	18466	18466		17845	17845	,	18578	15313		٠,	15938	19182		24081
	Probe SEQ (D NO:	8620	8721	9262	10232	11043	11842	12740	88	246	246	604	1309	2280	2260	2630	2787	3426	3426		4710	4710	5284	5375	2178		2178	2824	5997	11002	11002

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					A16:		
Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
12878		L	1.67		3.0E-92 BF367138.1	EST_HUMAN	RC1-GN0021-240800-012-e11 GN0021 Homo sapiens cDNA
26	13264		1.54	2.0E-92	4501898 NT	۲N	Homo sapiens activin A receptor, type IIB (ACVR2B) mRNA
183			4.28	2.0E-92	11422946 NT	۲	Homo sapiens hypothetical protein dJ462023.2 (DJ462023.2), mRNA
183	1		4.28	2.0E-92	11422946 NT	NT	Homo sapiens hypothetical protein dJ462O23.2 (DJ462O23.2), mRNA
768	) ]		5.48		2.0E-92 BE289190.1	EST_HUMAN	601118337F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3028304 5
768		26898	5.49		2.0E-92 BE299190.1	EST_HUMAN	601118337F1 NIH_MGC_17 Homo sapiens cDNA clane IMAGE:3028304 57
1752	14901		1.62		2.0E-92 S78653.1	TN	mrg≍mas-related [human, Genomic, 2416 nt]
1990	15132	28238	2.63		2.0E-92 AI818119.1	EST HUMAN	wk27d07.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2413549 3' similar to TR:Q12844 Q12844 BREAKPOINT CLUSTER REGION PROTEIN ;
1990	<u> </u>		2.53		2.0E-92 AI818119.1	EST_HUMAN	wk27d07.x1 NCI_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:2413549 3' similar to TR:Q12844 CQ12844 BREAKPOINT CLUSTER REGION PROTEIN;
2020	L				4507484 NT	Ł	Homo sepiens transforming growth factor, beta 3 (TGFB3), mRNA
2020	L	28266	1.01	2.0E-92	4507464 NT	N P	Homo sepiens transforming growth factor, beta 3 (TGFB3), mRNA
2106	l_	28366		2.0E-92	4506860 NT	NT NT	Homo sapiens syndecan 4 (amphiglycan, ryudocan) (SDC4) mRNA
2726	_		22.36	2.0E-92	6912457 NT	LN LN	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA
3701			1.02		2.0E-92 AF231919.1	TN	Homo sapiens chromosome 21 unknown mRNA
3701	16862	99962	1.02		2.0E-92 AF231919.1	TN	Homo sapiens chromosome 21 unknown mRNA
3777	16938		7.02	2.0E-92	5803180 NT	Þ	Homo saplens stress-Induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) (STIP1). mRNA
4403	l	30530			2.0E-92 M10976.1	NT	Human endogenous retroviral DINA (4-1), complete retroviral segment
5108	Ì		4.1	2.0E-92	2.0E-92 AL040437.1	EST_HUMAN	DKFZp434C0414_r1 434 (synonym: htse3) Homo capiens oDNA clone DKFZp434C0414 5
5879	19069	22377	0.64		2.0E-92 AF016535.1	TN	Homo sapiens P-glycoprotein (mdr1) mRNA, complets cds
6431	19599		7.19	2.0E-92	4504756 NT	LΝ	Homo saplens integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide) (ITGAL) mRNA
6748	19904	33297	28		2.0E-92 AB028991.1	LN T	Homo sapiens mRNA for KIAA1068 protein, partial cds
7627	20697		0.61	2.0E-92	2.0E-92 U67780.1	LN LN	Human NPY Y1-like receptor pseudogene mRNA, complete cds
7657	20697		0.64		2.0E-92 U67780.1	۲N	Human NPY Y1-like receptor pseudogene mRNA, complete cds
9028	22135	35680	1.28		2.0E-92 AW340174.1	EST HUMAN	hd02h02x1 Soares, NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2908371 3' similar to TR:002711   002711 PRO-POL-DUTPASE POLYPROTEIN;
10897	匚		4.68	2.0E-92	11434900 NT	뉟	Homo sapiens thyrold stimulating hormone receptor (TSHR), mRNA
11257	24326		3.22	2.0E-92	11434759NT	TN	Homo sapiens zinc finger protein 198 (ZNF198), mRNA
11409				2.0E-92		EST_HUMAN	CM4-LT0028-161299-062-908 LT0028 Homo saplens cDNA
11409	24470	38135				EST HUMAN	CM4-LT0028-161299-062-g06 LT0028 Homo sapiens cDNA
12758			8.48		2.0E-92 AB029016.1	N	Homo sapiens mRNA for KIAA1093 protein, partial ods

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	_	_	_	_	_	_		_		_	_		_		_	- 1	- 7		٠,	بك.	1	بتن	-				۴-	1	1.00
Top Hit Descriptor	Homo sapiens adenylosuccinate lyase gene, camplete cds	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA	yi80e08.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:145574 5	y80e08,r1 Soares placenta Nb2HP Homo saplens cDNA clone IMAGE:145574 5'	Homo saplens ribosomal protein, large, P1 (RPLP1) mRNA	HTM1-288F HTM1 Homo sapiens cDNA	tgo1b02x1 NG_CGAP_QLL1 Homo saplens cDNA ckone IMAGE:2107467 3' similar to SW:PTNF_HUMAN Q16825 PROTEIN-TYROSINE PHOSPHATASE D? ;contains Alu repelitive element contains element	MER17 repetitive element ;	Ig01b02.X7 NCL_CGAP_CLL1 Homo sapiens cDNA clone IMAGE.2107457 3' similar to SW.PTNE_HUMÅN Q18825 PROTEIN-TYROSINE PHOSPHATASE D1 ;contains Alu repetitive element;contains element	MER17 repetitive element ;	AU121681 MAMMA1 Homo sapiens cDNA clone MAMMA1000738 5'	EST188414 HCC cell line (matastasis to liver in mouse) il Homo sapiens cDNA 5' end similar to ribosomal protein L29	Homo sepiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively	spilced	601281867F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3603832 5'	Homo sepiens ribosomal protein L10a (RPL10A), mRNA	601480521F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE:3863908 5'	Homo sepiens chromocome 21 unknown mRNA	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1), mRNA	Homo saplens mRNA for KIAA1267 protein, partial cds	Homo sapiens PTH-responsive ostaosarcoma B1 protein (B1) mRNA, complete cds	Homo sapiens mRNA for KIAA0611 protein, partial ods	wc09c08.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2314670 3'	wc09c08.x1 NC _CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2314870 31	Homo sapiens chromosome 21 segment HS21C001	Homo sapiens mRNA for CDC2L5 protein kinase, (CDC2L5 gene), Isoform 2	Human skeletal muscle 1.3 kb mRNA for tropomycein	Human somatic cytochrome c (HC1) processed pseudogene, complete cds	Hamo sapiens wascr1 (WBSCR1) and wascr5 (WBSCR5) genes, complete ods, alternatively spiloed and is replication factor C subunit 2 (RFC2) gene, complete ods
Top Hit Database Source	N	LN.	EST_HUMAN	EST_HUMAN	TN	EST_HUMAN		EST HUMAN		EST HUMAN	EST_HUMAN	EST HUMAN		INT	EST HUMAN	NT	EST_HUMAN	NT	INT	N	NT	NT	EST HUMAN	EST HUMAN	INT	NT	NT	١N	NT
Top Hit Acession No.	2.0E-92 AF106656.1	6912457 NT	1.0E-92 R78078.1	1.0E-92 R78078.1	4506668 NT	1.0E-92/BE439625.1		1.0E-92 Ai380356.1		1.0E-92 Al380356.1	9.0E-93 AU121681.1	9.0E-93.AA316723.1		9.0E-93 AF223391.1	9.0E-93 BE388571.1	11418526 NT	8.0E-93 BF036364.1	7.0E-93 AF231919.1	11526176 NT	6.0E-93 AB033093.1	6.0E-93 AF095771.1	5.0E-93 AB014511.1	5.0E-93 Al674184.1	5.0E-93 AI674184.1	5.0E-03/AL163201.2	5.0E-93 AJ297710.1	5.0E-93 X04201.1	5.0E-93 M22878.1	5.0E-93 AF045555.1
Most Similar (Top) Hit BLAST E	2.0E-92	2.0E-92	1.05-92	1.0E-92	1.0E-92	1.0E-92	,	1.0E-92		1.0E-92	9.0E-93	9.05-93					8.0E-93		6.0E-93					5.0E-93	5.0E-93		5.0E-93	5.0E-93	
Expression Signel	1.36	73.58	2.95	2.95	35.12	0.82		3.24		3.24	3.63	20.41		1.69	1.35	7.79	2.4	7.25	0.74	0.97	7.64	0.99	4.61	4.61	4.17	1.03	3.73	1.09	1.75
ORF SEQ ID NO:	32005				L			35999			28347				29867						33525								
SEQ ID	25524	15843	15040	15040	15271	21522		22440		22440	15225	15240		15830	16864	24933	19880	13475	16320	19972	20109	14566	14592	14592	14657	16049	16479	19107	19410
Probe SEQ ID NO:	12782	13066	1897	1897	2136	8441		9365		9365	2085	2,00		2712	3703	11947	6723	256	3144	6819	7058	1412	1439	1439	1504	1869	3305	5920	6235

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				Most Similar		1	
Probe SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	(Top) Hit BLAST E	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
7892	20944	34450	3.52	5.0E-93	6.0E-93 AF067138.1	Į.	Homo sapiens protein phosphatase-1 regulatory subunit 7 (PPP+R7) gene, exon 11, complete ods and alternatively spliced product
8804	1	١	0.73	5.0E-93	4557626 NT	LN	Homo sapiens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2) mRNA
8804	21883		0.73	5.0E-93	4557526 NT	FZ	Homo sapiens discs, larga (Drosophila) homolog 2 (chapsyn-110) (DLG2) mRNA
9822		36443	2.02		5.0E-93 AF274863.1	۲	Homo sapiens secretory pathway component Sec31B-1 mRNA, alternatively spliced, complete cds
10012				L	5032156 NT	LN PA	Homo sapiens TAR (HIV) RNA-binding protein 1 (TARBP1) mRNA
10275	1	36906			5.0E-93 AF069313.2	TN	Homo sapiens WSB1 protein (WSB1) mRNA, complete ods
11064	1		1.92	5.0E-93	11439599 NT	LN	Homo sapiens nucleobindin 2 (NUCB2), mRNA
12651	257B1	31921	2.31	5.0E-93	11417877 NT	LN	Homo sapiens gamma-glutemyltrensferase 1 (GG11), mRNA
G	l	_	5.63		4.0E-93 AA459933.1	EST HUMAN	zx50e09.c1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:795688 3' similar to SW:CLPA_RAT P37397 CALPONIN, ACIDIC ISOFORM ;
458	1	26690			LN 6287879 N	NT	Homo sapiens interferon gamma receptor 1 (IFNGR1) mRNA
458	ı		2.38	4.0E-93	TN 6287879 NT	F	Homo saplens interferon gamma receptor 1 (IFNGR1) mRNA
783	1			4.0E-93	7657454 NT	Ę	Homo sapiens pescadilio (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA
793	L			4.0E-93	7657454 NT	LN T	Homo sapiens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA
1210	L			4.0E-93	8923658 NT	N	Homo sapiens hypothetical protein FLJ20731 (FLJ20731), mRNA
2033	L	28284		L	4.0E-93 AF047677.1	LΝ	Homo sapiens dystrophin (DMD) gene, deletion breakpoints 1-3 in intron 5
2318	ı				4.0E-93 AF157476.1	FZ.	Homo sapiens DNA polymerase zeta catalytic subunit (REV3) mRNA, complete cds
2672	1_	28909		4.0E-93	7656972 NT	ΙN	Homo saplens TNF-Inducible protein CG12-1 (CG12-1), mRNA
3656	1_			4.0E-93	T705396 NT	ΝΤ	Homo saplens tumor antigen SLP-&p (HCC8), mRNA
4159	Ι.			4.0E-93		N <sub>T</sub>	Homo sapiens interleukin 18 receptor 1 (IL18R1) mRNA
5136	<u> </u>			4.0E-93	7705396 NT	NT	Homo saplens tumor antigen SLP-8p (HCC8), mRNA
							y694c12.r1 Stratagene liver (#937224) Homo sapiens cDNA cione IMAGE:78838 6 similar to similar to
6760	18952	32255	5.01		4.0E-93 T46864.1	EST_HUMAN	SP:A44391 A44391 SERUM RESPONSE ELEMENT-BINDING PROTEIN SKE-ZBF - HUMAN,
11398	L				4.0E-93 AV692051.1	EST_HUMAN	AV692051 GKC Hamo septens cDNA clane GKCDRF07 5'
3742	L	L			3.0E-93 BF690630.1	EST HUMAN	602246654F1 NIH_MGC_62 Homo sapiens cDNA clone IMAGE:4332036 5
3742	1	29907			3.0E-93 BF690630.1	EST_HUMAN	602246554F1 NIH_MGC_62 Homo sapiens cDNA clone IMAGE:4332036 5'
4350	ı				3.0E-93 AF226896.1	TN	Homo sapiens tensin mRNA, complete cds
1	1			3 05 03	11426182 NT	L	Homo saplens GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 2 (GCN5L2), mRNA
3		37763			A182482	FST HUMAN	w602406 x1 NCI CGAP GC6 Homo saplens cDNA clone IMAGE:2304489 3'
11040	_1	ľ			AD045840 4	LIV.	Chlorocehus aethions mRNA for ribosomal protein S4X, complete cds
195	13418	26447	5.59		2.0E-93[AB015610.1	N	Olivi Oceane action of the second of the sec

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Most Similar (Top Hit Acession Signal BLASTE No. Source	5.69 2.0E.93 AB013610.1 NT Chlorocebus eethiops mRNA for ribosomal protein S4X, complete cds	2.0E-93 AL163285.2 NT	6.74 2.0E-93 AL163286.2 NT Homo saplens chromosome 21 segment HS21C085	2.0E-93 AF225896.1 NT	NT	2.0E-93 BE252982.1 EST_HUMAN		5.08 2.0E-93 AW 964386.1 EST HUMAN EST376458 MAGE resequences, MAGH Homo sepiens cDNA	0.7 2.0E-93 4768153 NT Homo sepiens deafness, autosomel dominant 5 (DFNAS), mRNA	2.0E-93[BF351469.1   EST_HUMAN	1.08 2.0E-83 11430039 NT Homo saplens hypothetical protein (LOC51318), mRNA	0.76 2.0E-93 U74313.1 EST_HUMAN HSU74313 Human chromosome 14 Homo sapiens cDNA clone 1-86	П	2.0E-93 AV721846.1  EST_HUMAN	2.0E-93 AV721846.1 EST_HUMAN	1.78 2.0E-83 A4128735.1 [EST_HUMAN   2/28010.s1 Soares_pregnent_uterus_NbHPU Homo sepiens cDNA clone IMAGE:503346.3'		6.34 2.0E-89 BF035327.1 EST_HUMAN   601458531F1 NIH_MGC_66 Homo septiens cDNA clone IMAGE:3852086 5'		1.0E-93(AF238997.1 NT	7.76 1.0E-93 7657016 NT Homo sapiens hypothetical protein (DJ328E19.C1.1), mRNA	3.32 1.0E-93 A1146755.1 EST_HUMAN (ZINC FINGER PROTEIN.);	1.0E-93 D87675.1 NT	1.0E-93 4503872 NT	1.0E-93 8923270 NT	7.22 1.0E-93 8923270 NT Hamo sapiens hypothetical protein FLJ20291 (FLJ20291), mRNA	9.7 1.0E.93 AF167706.1 NT Homo sepiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	1.08 1.0E-93 AF231981.1 NT Homo sapiens long chain polyunsaturated fatty acid elongation enzyme (HELO1) mRNA, complete cds	1.0E-93 AF055068.1		1.0E-93 BE297369.1 EST_HUMAN	1.32 1.0E-93 BE297369.1 [EST_HUMAN   601177686F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3532965 6'
<del></del>																																
ORF SEQ Expressi		28578 1:				28805			31775		32248	32261		38044								26822				27488		!	28783		27546	
SEQ ID OF	13418	13547	13547	14799	15334	15680	18374	18730	18741	18854	18946	18960	19975	24396	24396	25358	25420	25613	13341	13341	13724	13802	14071	14356	14422	14422	í	15544	15659	15702	14480	14480
Probe SEO ID NO:	195	333	334	1646	199	2555	254	5533	5544	999	754	168	6822	333	11333	12525	12624	12930	105	105	531	613	896	1194	285	1286	1378	2414	2534	2578	2883	2883

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	Top Hit Descriptor	protein, complete cds	Homo sapiens long chain polvunsaturated fattv acid elongation enzyme (HELO1) mBNA commilete ode	18210084	SR1) gene, exon 6	SR1) gene, exon 6	(L) gene, intron D, exon 5, and intron E	L) gene, intron D, exon 5, and intron E	R14 gene, complete cds	Homo saplens neurofibramin 1 (neurofibramabsis, von Recklinghausen disease, Watson disease) (NF1) mRNA	(AA0672), mRNA	SKCB1), mRNA	complete cds	n, partial cds		ma (PKIG) mRNA, complete cds	n, partial cds	ste cds	e A4 amyloid protein precursor (expn 9)	e A4 amyloid protein precursor (expn 9)	e 13, similar to rat RhoGAP	), mRNA		eta 2 (GSTT2), mRNA	1 (KIAA0330), mRNA	Homo seplens glutethione S-transferase theta 2 (GSTT2) and glutethione S-transferase theta 1 (GSTT1)		82HC0009	ır-5 mRNA, complete cda	, partial cds	, partial cds	zg87g06.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:4095943'	ot83d05.s1 Sogres_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:1623369 3'
		Homo saplens DNA for amyloid precursor protein, complete cds	Homo sapiens long chain polyunsaturated	Homo sapiens chromosome 21 segment HS21C084	Homo sapiens estrogen receptor alpha (ESR1) gene, exon 6	Homo sapiens estrogen receptor alpha (ESR1) gene, exon 6	Homo sapiens glucocorticoid receptor (GRL) gene, intron D, exon 5, and intron	Home sapiens glucoconticoid receptor (GRL) gene, intron D, exon 5, and intron E	Homo saplens candidate taste receptor T2R14 gene, complete cds	Homo saplens neurofibramin 1 (neurofibro mRNA	Homo sapiens KIAA0672 gene product (KIAA0672), mRNA	Homo sapiens protein kinase C, beta 1 (PRKCB1), mRNA	Human mRNA for NF1 N-isoform-exon11, complete cds	Homo sapiens mRNA for KIAA1411 protein, partial cds	H.sapiens mRNA for MEMD protein	Homo sapiens protein kinase inhibitor gamma (PKIG) mRNA, complete cds	Homo sapiens mRNA for KIAA1485 protein, partial cds	Homo sapiens Trio isoform mRNA, complete cds	Human PreA4 gene for Alzheimer's disease A4 amyloid protein precursor (exon 9)	Human PreA4 gene for Alzheimer's disease A4 amyloid protein precursor (excn 9)	Novel human gene mapping to chomosome 13, similar to rat RhoGAP	Homo saplens ryanodine receptor 3 (RYR3), mRNA	Homo sapiens GGT1 gene, exon 1	Homo seplens glutathione S-transferase theta 2 (GSTT2), mRNA	Homo sepiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sapiens glutathione S-transferase th	genes, complete cds	Homo sapiens chromosome 21 segment HS21C009	Homo sapiens transcription enhancer factor-5 mRNA, complete cds	Homo sapiens mRNA for KIAA0612 protein, partial cds	Homo sapiens mRNA for KIAA0612 protein, partial cds	zg87g06.s1 Soares_fetal_heart_NbHH19V	ot83d05.s1 Soares_total_fetus_Nb2HF8_g
	Top Hit Database Source	LN	Ę	LN LN	Z	N	LN	N	FZ	Į,	FZ	N	LN	Į.	ΙZ	LZ	N	N FZ	NT	LN FN	FZ	FN	L	ΡN	ΗZ		뉟	N	NT	NT	N	П	
)	Top Hit Acession No.	1.0E-93 D87675.1	1.0E-93 AF231981.1	1.0E-93 AL163284.2	1.0E-93 AF123498.1	1.0E-93 AF123498.1	1.0E-93 U78509.1	1.0E-93 U78509.1	1.0E-93 AF227138.1	4557792 NT	7862241 NT	11431590 NT		1.0E-93 AB037832.1		1.0E-93 AF182032.1		1.0E-93 AF091395.1			1.0E-93 AL049801.1	11433646 NT	1.0E-93 AJ230125.1	11417856 NT	11417862 NT		1.0E-93 AF240786.1	8.0E-94 AL163209.2			5.0E-94 AB014512.1	5.0E-94 AA722434.1	5.0E-94 AI015800.1
	Most Similar (Top) Hit BLAST E Value	1.0E-93	1.0E-93	1.0E-93	1.0E-93 /	1.0E-93	1.0E-93	1.0E-93	1.0E-93 /	1.0E-93	1.0E-93	1.0E-93	1.0E-93 D42072.1	1.0E-93 /	1.0E-93 Y10183.1	1.0E-93 /	1.0E-93 /	1.0E-93 /	1.0E-93 X13474.1	1.0E-93 X13474.1	1.0E-93	1.0E-93	1.0E-93 4	1.0E-93	1.0E-93		1.0E-93 A	8.0E-94	6.0E-94	5.0E-94	5.0E-94	5.0E-94	5.0E-94 A
	Expression Signal	5.86	1.23	3.28	0.92	0.92	2.39	2.39	1.2	10.78	4.8	1.94	3.24	2.29	1.15	1.14	2.03	1.14	3.9	3.9	1.24	0.69	1.62	3.71	1.36		1.42	1.13	1.94	3.51	3.51	2.24	1.45
	ORF SEQ ID NO:	29197		30668	31428	31427			32383	32543	32855	33679	33946	35066	35353	35468	34608	34612	36403	38404	38555	36994			31941				30233	31698	31699	32695	33726
	Exon SEQ ID NO:	16176	16461	17687	18461				19074	19220	19498	20246	20478		21819	21929		21098		22827	22966		- 1	25608	25723		26173	23852	17226	18682	18682	19349	20285
	Probe SEQ ID NO:	3000	3287	4549	5348	5348	5684	5684	5885	6037	6326	6931	7400	8455	8740	8850	9661	9655	9787	9787	9626	10349	12820	12923	13108		13123	10819	4070	5483	5483	6173	7150

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Top Hit Descriptor	602042163F1 NCI_CGAP_Brn67 Hamo septens cDNA clone IMAGE:4180023 5	Homo sapiens adenylate kinase 2 (AK2), mRNA	Homo sapiens adenylate kinase 2 (AK2), mRNA	yd98b04.s1 Soares fetal liver spleen 1NFLS Homo capiens cDNA clone IMAGE:116239 3'	Homo saplens ribosomal protein L27 mRNA, complete cds	Homo sapiens protein phosphatase 1, regulatory subunit 10 (PPP1R10) mRNA	xn89112x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2701679 31	xn89112x1 Scares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2701679 3/	M1110x1 NOL CGAP_BIN52 Homo septens cDNA clone IMAGE:2259403 3' similar to TR:Q15265 Q16265 PROTEIN TYROSINE PHOSPHATASE;	Homo sapiens solute carrier family 22 (organic cation transporter), membor 1-like (SLC22A1L), mRNA	Homo sepiens solute carrier family 22 (organic cation transporter), member 1-like (SLC22A1L), mRNA	Homo sapiens huntingtin (HD) gane, exon 37	Homo sepiens ASH2L gene, complete cds, similar to Drosophila ash2 gene	Homo sapiens complement component 5 (C5) mRNA	Homo saplens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	Homo sapiens cysteine-rich repeat-containing protein S52 precursor, mRNA, complete cds	Homo sapiens E1A binding protein p300 (EP300) mRNA	zw63g08.r1 Scares_total_fetus_Nb2HF8_9w Homo capiens cDNA clone IMAGE:774782 5	al59h06.s1 Soares_testis_NHT Homo saplens cDNA clone 1376163 3'	Homo saplens znc finger protein 277 (ZNF277), mRNA	Homo sapiens mRNA for MEGF2, partial cds	Homo saplens chromosome 21 open reading frame 18 (C21 ORF18), mRNA	Homo sapiens neuronal cell adhesion molecule (NRCAM) mRNA	Homo sapiens protocadherin alpha 13 (PCDH-alpha13) mRNA, complete cds	Homo sapiens mRNA for KIAA0679 protein, partial cds	Homo sapiens glycogenin-1L mRNA, complete cds	Homo sapiens exenal transport of synaptic vesicles (ATSV) mRNA	Human cbl-b truncated form 1 lacking leucine zipper mRNA, complete cds	wi30h11,x1 NCI_CGAP_Co16 Homo sapiens cDNA done IMAGE:2391813 3'	wi30h11.x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE:2391813 31	601175762F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:3531038 5
Top Hit Database Source	EST HUMAN	NT LN	LN LN	EST_HUMAN	LN	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	TN	뒫	FX	IN	NT LN	٦N	ΙN	TN	EST_HUMAN	EST_HUMAN	NT	IN	NT	NT	IN	NT	TN	NT	ĮN	EST_HUMAN	EST_HUMAN	
Top Hit Acession No.	5.0E-94 BF529115.1	11423962 NT	11423962 NT	5.0E-94 T89398.1	05094.1	4506008 NT	4.0E-94 AW197851.1	4.0E-94 AW 197851.1	4.0E-94 Al591312.1	11440670 NT	11440670 NT	27386.1	3.0E-94 AB022785.1	4502506 NT	3.0E-94 AF167706.1	3.0E-94 AF167708.1	4557556 NT	3.0E-94 AA464805.1	3.0E-94 AA781836.1	11496268 NT	3.0E-94 AB011536.1	11526228 NT	4826863 NT	3.0E-94 AF152309.1	3.0E-94 AB01 4579.1	3.0E-94 AF087942.1	4757821 NT	3.0E-94 U26711.1	2.0E-94 A1910393.1		1.0E-94 BE295714.1
Most Similar (Top) Hit BLAST E Value	5.0E-94	5.0E-94	6.0E-94	5.0E-94	4.0E-94 L05094.1	4.0E-94	4.0E-94	4.0E-94	4.0E-94	4.0E-94	4.0E-94	4.0E-94 [L27386.1	3.0E-94	3,05-94	3.0E-94	3.0E-94	3.05-94			3.0E-94	3.0E-94	3.0E-94	3.0E-94	3.0E-94	3.0E-94	3.0E-94	3.0E-94	3.05-94	2.0E-94	2.0E-94	1.0E-94
Expression Signal	0.85	1.43	1.43	3.6	16.49	0.99	1.12	1.12	3.06	1.48	1.48	6.0	1.76	1.13	12.9	12.9	3.18	0.67	0.72	3.21	1.13	3.84	0.63	0.98	4.41	7.29	1.94	2.11	0.67	0.67	3.07
ORF SEQ ID NO:	35457					28952	29925		30983	33144	33145		26833	26961		28022	28055		30567								38079	38682	36587		26410
Exon SEQ ID NO:	21919	24284			15034	15841	16923	16923	17973	19757	19757	20105	13811	1	1	14928	14962	17449	ı	. 1				21474		22831	24423	24960	22993	22993	13378
Probe SEQ ID NO:	8840	11215	11215	12503	1890	2723	3762	3762	4840	6597	6597	7052	929	739	1779	1779	1813	4308	4437	5798	6279	6581	7978	8393	8787	9791	11362	11975	8954	9954	153

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Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hif Acession No.	Top Hit Database Source	Top Hit Descriptor
3158		29342			1.0E-94 BE253433.1	EST_HUMAN	801111696F1 NIH_MGC_16 Home sapiens cDNA clone IMAGE:3352569 5'
3158			2.05		1.0E-94 BE253433.1	EST_HUMAN	601111696F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3352569 5'
4478			1.11	1.0E-94	9506692 NT	Į,	Homo sepiens hypothetical protein (FLJ20746), mRNA
6198			0.69	L	1.0E-94 AE000269.1	LZ.	Escherichia coli K-12 MG1655 section 159 of 400 of the complete genomo
9398		32925			1.0E-94 AL040518.1	EST_HUMAN	DKFZp434G0314_r1 434 (synonym: htes3) Homo sapiens oDNA clone DKFZp434G0314 5'
6405						EST_HUMAN	y87f02.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:45053 5'
6648			)			EST_HUMAN	AV725892 HTC Homo sapiens cDNA clone HTCBEF05 5'
8304			0.8		1.0E-94 AL163204.2	₽N	Homo sapiens chromosome 21 segment HS21C004
8304	21386	34909	0.8		1.0E-94 AL163204.2	LN	Homo saplens chromosome 21 segment HS21C004
9426			2.17	1.0E-94	11428710 NT	LΝ	Homo sapiens paired box gene 5 (B-cell lineage specific activator protein) (PAX5), mRNA
0666	23029		1.35		1.0E-94 BE780478.1	EST_HUMAN	601468748F1 NIH_MGC_67 Homo sapiens cDNA clone IMAGE:3872089 5'
11321	24384	38028	3.11	1.0E-94	1.0E-94 U65590.1	LN	Homo sepiens IL-1 receptor antagonist IL-1Ra (IL-1RN) gene, afternativaly soliced forms, complete cds
11597	24850	PERSE	1 88		1 OF 94 A 1272244 4	HOD HOD	ap22e02x1 Schiller aligodendrogliama Hamo sepiens cDNA clone IMAGE:1956122 3' similar to TR:Q62845 George Mei IDAI CELLI ANJESTION BEOTEIN DIS SIDERA IDAGE.
12051	25032	38738	1.34	L		11418871 NT	Homo seplens KIAA0164 cene product (KIAA0164) mRNA
12639	ľ		202		1.0E-94 BE295714.1	EST HUMAN	601175762F1 NIH MGC 17 Home sapiens cDNA clone IMAGE:3531038 5'
12968	l	28410	1.73		1.0E-94 BE295714.1	EST HUMAN	601175762F1 NIH MGC 17 Homo sapiens cDNA clone IMAGE:3531038 5'
1506			6.05		9.0E-95 AF027302.1	Ę	Homo sapiens TNF-elpha stimulated ABC protein (ABC50) mRNA, complete cds
3224			1.09	9.0E-95	7662027 NT	LN	Homo saplens KIAA0255 gene product (KIAA0255), mRNA
3224	16398	29410	1.09	9.0E-95	7662027 NT	TN	Homo eaplens KIAA0266 gene product (KIAA0255), mRNA
5521			1.46	9.0E-95	9.0E-95 X82569.1	TN	M.musculus glyT1 gene (exons 10 and 2)
5521	- 1	31734	1.46	9.0E-95	9.0E-95 X82569.1	TN	M musculus glyT1 gene (exons 1c and 2)
8446			1.58		9.0E-95 AF274753.1	LN	Homo sepiens progressive enkytosis-like protein (ANK) mRNA, complete ods
149	13374	26407	2.9		8.0E-95 AF154830.1	IN	Homo sapiens carbamy phosphate synthetase I mRNA, complete cds
4658	17794	30779	1.68		8.0E-95/A1700998.1	EST HUMAN	we09e04.x1 NCL CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2340606 3' similar to gb:K00558 TUBULIN ALPHA-: CHAIN (HUMAN):
							we09e04.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2340606 3' similar to gb:K00558
4658	- 1	30780	1.68	8.0E-95	8.0E-95 AI700998.1	EST_HUMAN	TUBULIN ALPHA-1 CHAIN (HUMAN);
7087	20181	33805	0.73	8.0E-95	11419376 NT	TN	Homo sepiens KIAA0193 gene product (KIAA0193), mRNA
7390		33934	4.1	8.0E-95	11426529 NT	TN	Homo sapiens proteasome (prosome, macropain) 26S subunit, non-ATPase, 11 (PSMD11), mRNA
7390	_	33935	1.4	8.0E-95	11426529 NT	NT	Homo sepiens protessome (prosome, macropain) 26S subunit, non-ATPase, 11 (PSMD11), mRNA
8391	21472	34898	2.08	8.0E-95	8.0E-95 AF032897.1	LN	Homo sapiens potassium channel subunit (HERG-3) mRNA, complete cds
8585		36273	1.98	8.0E-95	11420944 NT	TN	Homo sapiens KIAA0255 gene product (KIAA0255), mRNA

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			_										_	_	_	_								_	-	-		_	_		_	_	_
Top Hit Descriptor	Homo saplens KIAA0255 gene product (KIAA0255), mRNA	Homo sapiens proline dehydrogenase (proline oxidase) (PRODH) mRNA	Homo sapiens mRNA for KIAA1395 protein, partial cds	Homo sapiens early growth response 2 (Krox-20 (Drosophile) homolog) (EGR2), mRNA	Homo sapiens developmental arteries and neural crest EGF-like protein mRNA, complete cds	Homo sapiens HCF-binding transcription factor Zhangfel (ZF), mRNA	Homo sapiens zinedin (ZIN), mRNA	Homo sapiens zinedin (ZIN), mRNA	zu84601.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:744649 3' similar to contains L1.t1 L1 reportitive element	Homo seniens DNA for amyold precursor protein, complete cds	Homo sapiens DNA for amyold precursor protein, complete cds	Human hepatocyte growth factor gene, exon 8	Human hepatocyte growth factor gene, exon 8	Homo sapiens Ly-6-like protein (CD59) mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C046	HTM1-288F HTM1 Homo sapiens cDNA	AV648361 GLC Homo sapiens cDNA clone GLCBIF01 3'	602071146F1 NCL_CGAP_Bm64 Hamo sapiens cDNA done IMAGE:4214147 5	Homo sapiens dedicator of cyto-kinesis 1 (DOCK1) mRNA	zt97d01.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:730273 5'	zi97d01.r1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:730273 5'	EST370191 MAGE resequences, MAGE Homo saplens cDNA	EST370191 MAGE resequences, MAGE Homo sapiens cDNA	Homo sapiens KIAA0763 gene product (KIAA0763), mRNA	Homo saplens KIAA0763 gene product (KIAA0763), mRNA	601845212F1 NIH_MGC_55 Homo saplens cDNA clone IMAGE:4070451 5'	Homo sapiens KIAA0255 gene product (KIAA0255), mRNA	Homo sapiens KIAA0255 gene product (KIAA0255), mRNA	Homo sapiens tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory) (TIMP3)	mRNA	601312161F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3858862 5	Homo sapiens G protein-coupled receptor 19 (GPR19) mRNA	Homo sapiens G protein-coupled receptor 19 (GPR19) mRNA
Top Hit Database Source			FZ						NAMI LI	T					N	EST_HUMAN	EST_HUMAN	T_HUMAN		EST_HUMAN			T_HUMAN	NT		EST_HUMAN	FN	ΝΤ			THUMAN	Z	LN L
Top Hit Acession No.	11420944 NT	5174644 NT	8.0E-95 AB037816.1	9845523 NT	8.0E-95 AF112152.1	10864024 NT	7019572 NT	7019572 NT	0 0E 0E 0 A 020068 4						7.0E-95 AL163246.2	4.0E-95 BE439625.1	3.0E-95 AV648361.1	3.0E-95 BF526041.1	4503354 NT	3.0E-95 AA412321.1	3.0E-95 AA412321.1	3.0E-95 AW958121.1	3.0E-95 AW958121.1	7662289 NT	7662289 NT	3.0E-95 BF213446:1	7662027 NT	7662027 NT		4507512 NT	2.0E-95 BE393873.1	5453665 NT	5453665 NT
Most Similar (Top) Hit BLAST E Value	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	90	7.05.05   DA7675	7.0E-95 D87675.1	7.0E-95 M75973.1	7.0E-95 M75973.1	7.0E-95 M95708.1	7.0E-95	4.0E-95	3.0E-95	3.0E-95	3.05-95	3.0E-95	3.0E-95	3.05-95	3.0E-95	3.0E-95	3.0E-95	3.0E-95	2.0E-95	2.0E-95		2.0E-95	2.0E-95		2.0E-95
Expression Signal	1.98	2.45	2.92	0.81	1.59	1.72	1.32	1.32	17.04	17.71	6.07	1.37	1.37	15.92	1.09	0.62		1.52			0.73	2.01	2.01	1.62	1.62	. 0.86	3.52	3.52		73.27	3.97	1.5	1.5
ORF SEQ ID NO:	36274	36693			37670		38669	38670		26537	L			30808		36058		31794			33860				36191					28242			28744
SEQ ID NO:	22707	ı	23121	1	l	24765	24967	24967	00220	13504	13504	15645			1		1	18756	_	L.	ı	20598	ļ	1	22620		L	14828	L	15136		Ш	
Probe SEQ ID NO:	9565	10053	10083	10440	10953	11773	11982	11982	1000	12057	286	2519	2519	4486	4535	9418	215	5558	5791	7315	7315	7525	7525	9555	9555	9948	1676	1676		1995	1998	2497	2497

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1			Т	Τ	Γ	Γ	T	Τ	Τ.	Τ	Τ	Τ	. 1		l	}	]	· -	Γ	Τ	Γ	T-	Γ	Γ	Τ	Γ	ľ	T	Ť	i.	<b>PS</b> i
Single Exon Probes Expressed in Placenta	Top Mit Descriptor	Homo saplens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1) genes, complete ods	Homo sapiens glycine cleavage system protein H (aminomethy) cerrier) (GCSH) mRNA	ya49d08.s1 Soares Infant brain 1NIB Homo eapiens cDNA clone IMAGE:53393 3'	Homo sapiens Usurpin-gamma mRNA, complete ods	Homo sapiens unconventional myosin-15 (LOC51188), mRNA	Homo saplens unconventional myosin-15 (LOC61189), mRNA	Homo sapiens mRNA for KIAA1386 protein, partial cds	qm01c02.x1 Soarce_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1880546 3' similar to WP:723G7.4 CE03705;	Homo sepiens hypothetical protein (HS322B1A), mRNA	Homo saplens KIA40187 gene product (KIAA0187), mRNA	Homo septens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene,	partial cds	Homo sapiens CGI-48 protein (LOC51098), mRNA	Homo sapiens CGI-48 protein (LOC51096), mRNA	Homo sapiens engiotensin I converting enzyme (peptidy/-dipeptidase A) 2 (ACE2), mRNA	Homo sapiens anglotensin I converting enzyme (peptidyl-dipeptidase A) 2 (ACE2), mRNA	Homo saplens membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 3) (MPP3), mRNA	Human muscie-type phosphofructokinase (PFK-M) gene, exon 7	Homo sapiens transcription fector 2, hepalic, LF-83; variant hepatic nuclear factor (TCF2), mRNA	Homo sapiens transcription factor 2, hepetic; LF-B3; variant hepetic nuclear factor (TCF2), mRNA	Homo sapiens cillary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Homo sapiens huntingtin (Huntington disease) (HD), mRNA	Harno sepiens ribophorin II (RPN2), mRNA	Homo sapiens KIAA1065 protein (KIAA1065), пRNA	Homo sapiens bane morphogenetic protein receptor, type IA (BMPR1A) mRNA	Homo sapiens Ste20-related serina/threonine kinase (KIAA0204), mRNA	Homo sapiens KIAA0763 gene product (KIAA0763), mRNA	Homo sapiens KIAA0763 gene product (KIAA0763), mRNA	Homo sapiens HSPC302 mRNA, partial cds	Homo sapiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1) genes, complete cds
Exon Probe	Top Hit Database Source	N	LN	EST_HUMAN	LZ	F	FN	Ę	EST HUMAN	LN	LZ.		N	LN.	٦	LΝ	NT	N.	L'N	ΤN	TN	NT	NT	NT	LN	NT	LN.	LN.	NT	LN.	NT
Single	Top Hit Acessian No.	-95 AF240786.1	4758423 NT		-95 AF015452.1	TN 0088077	TN/0063077	-95 AB037807.1		57185	7661979 NT		95 AF-109907.1	7705764 NT	7705764 NT	11225608 NT	11225608[NT	11625883 NT	Г	2.0E-95 11427182 NT	11427182 NT		11435773 NT	11421795 NT	11434330 NT	4757853 NT	7681993 NT	7662289 NT	7662289 NT	95 AF161420.1	2.0E-95 AF240786.1
	Most Similar (Top) Hit BLAST E Value	2.0E-95	2.0E-95	2.0€-95	2.0E-95/	2.05-95	2.0E-96	2.0E-95	2.0E-95	2.0E-95	2.0E-95	100	2.0E-95	2.0E-95	2.0E-95	2.0E-95	2.0E-95	2.0E-95	2.0E-95(A	2.0E-95	2.0E-96	2.0E-95/	2.0E-95	2.0E-95	2.0E-95	2.0E-96	2.0E-95	2.0E-95	2.0E-95	2.0E-95	2.0E-95
***************************************	Expression Signal	3.62	1.34	0.99	2.1	3.6	3.6	0.81	0.62	1.38	3.5		0.99	4.12	4.12	1.24	1.24	0.63	3.86	6.0	0.0	3.25	1.47	1.48	0.56	1.98	1.35	1.69	1.69	1.57	2.31
	ORF SEQ ID NO:	28784	28826		29412	29829	29830	29870	30008	30602	31242	200	31321	31840	31841	32310	32311	32352	32793	33122	33123	33248	33647	35973	37236	37678	37836	38691	38692		32047
	Exen SEQ ID NO:	15681	15707	15784	16400	16818	16818	16867	17004	17821	18273	0000	18352	18/92	18792	19005	19005	19045	19444	19741	19741	19858	20218	22419	23627	24043	24210	24987	24987	25083	25407
	Probe SEQ ID NO:	2536	2582	2862	3226	3655	3655	3706	3844	4481	6151		25.30	2297	5597	5815	5815	5855	6270	6228	6279	6700	6903	9343	10592	10962	11138	12002	12002	12103	12608

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Top Hit Descriptor	Homo saplens hypothetical protein (HS322B1A), mRNA	Homo sapiens adenylosuccinate Iyase (ADSL), mRNA	zt23h04,11 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:714007 5' similar to TR:Q1087084 G1067084 F55H2.6;	조23h04.r1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:714007 등 smilar to TR:G1067084 G1087084 F55H26 :	RCS-FN0019-290600-011-G11 FN0019 Homo sapiens cDNA	ROS-FN0019-290600-011-G11 FN0019 Homo eapiens cDNA	yg09b06.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31763 5	601437232F1 NIH_MGC_72 Homo sapiens cDNA clone (MAGE:3922423 5	601497608F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3899761 57	601497608F1 NIH_MGC_70 Homo sepiens cDNA clone IMAGE:3899781 5/	PM0-LT0019-090300-002-d09 LT0019 Homo sapiens cDNA	Hama sepiens chromosoms 21 unknown mRNA	MR0-HT0559-250200-002-d07 HT0559 Homo sepiens cDNA	Homo sapiens chronosome 21 segment HS21C001	Human diyoeraldehyde-3-phosphate dehydrogenase pseucogene 3'end	Homo saplens KIAA0763 gene product (KIAA0763), mRNA	Homo sapiens KIAA0753 gene product (KIAA0763), mRNA	Homo sapiens myosin, heavy polypeptide 2, skeletal musde, adult (MYH2), mRNA	Homo sapiens KlAA0763 gene product (KIAA0763), mRNA	Homo sapiens KIAA0763 gene product (KIAA0763), mRNA	Homo sapiens mRNA for K/AA1172 protein, partial cds	Homo saplens mRNA for KIAA1172 protein, partial cds	Homo sapiens mRNA for KIAA1172 protein, partial cds	Homo saplens phosphodiesterase 6A, cGMP-specific, rod, alpha (PDE6A), mRNA	Homo saplens transient receptor potential channel 5 (TRPC5), mRNA	H. sapiens DNA for monoamine oxidase type A (7) (partial)	Homo saplens ALR-like protein mRNA, partial cds	Homo caplens NOD1 protein (NOD1) gene, exons 1, 2, and 3	Homo sapiens dNT-2 gene for mitochondrial 5(3)-deoxyribonucleoridase (dNT-2 gene). exons 1-5	Homo saplens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA	Homo saplens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA
Top Hit Database Source	LN LN	NT	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	. IN	EST HUMAN	NT	LN	۲	۲N	LN	٦N	TN	LN	NT	IN	LN	IN	ΙN	NT.	NT	ΤΝ	FN	LZ
Top Hit Acession No.	11417860 NT	11418164 NT	1.0E-95 AA284651.1	1.0E-96 AA284651.1	1.0E-95 BF370000.1	1.0E-95 BF370000.1	1.0E-95 R17806.1	9.0E-96 BE897259.1	8.0E-96 BE907607.1		_		6.0E-96 BE171984.1	2.	6.0E-96 M26873.1	7662289 NT	7862289 NT	8923939 NT	7662289 NT	7662289 NT	5.0E-96 AB032998.1	5.0E-96 AB032998.1	5.0E-96 AB032998.1	11416767 NT	6912735 NT	5.0E-96 X60812.1		5.0E-96 AF149773.1	5.0E-96 AJ277557.1	11424399 NT	11424399 NT
Most Similar (Top) Hit BLAST E Value	2.0E-95	2.0E-95	1.0E-95	1.0E-95	1.05-95	1.0E-95	1.05-95	9.05-96	8.05-96	8.05-96	8.0E-96						6.0E-96	6.0E-96	6.0E-96	6.0E-96	5.0E-96	5.0E-96	5.0E-96	6.0E-96	5.05-96	5.0E-96	5.0E-96	5.0E-96	5.0E-96	5.0E-96	5.0E-96
Expression Signal	1.3	7.4	8.08	8.08	4.11	4.11	0.45	1.56	0.88	0.88	2.8	1,25	2.48	0.71	10.25	2.41	2.41	1.94	1.32	1.32	3.55	3.4	3.4	1.72	0.71	1.69	0.79	1.1	0.58	3.68	3.58
ORF SEQ ID NO:		31966	32219						26687				00982						38753		26574	27104			29284			33341			
Exan SEQ ID NO:	25480		18925	18925		,		21469	1 1					18564			1	1				14041				18153		19943	20004	20236	20236
Probe SEQ ID NO:	12721	13067	5732	5732	7683	7683	9663	8388	455	455	5628	4018	2334	3394	3571	11839	11839	11891	12084	12064	330	885	865	2684	3092	5024	5296	6788	6851	6921	6921

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Table 4
Single Exon Probes Expressed in Placenta

		-	_		-	_	_		_		_		_	-,	-,		٠,	٠,				_				٠,		_	_				
	Top Hit Descriptor	Hamo sapiens mRNA for KIAA0960 protein, pertial ods	Home saplens mRNA for 14-3-3camma complete cds	Human type IV collagenase (CLG4B) dene expn 5	Human tope IV colladanese (Cl G48) rene even 6	Homo sapiens KIAA0175 gene product (KIAA0175) mRNA	W87n12.r1 Soares fetal Iver spleen 1NFLS Homo saniens CDNA close MARCE 22227 K	Homo sapiens chondroltin suffate proteoglycan 4 (melanoma-associated) (CSDCA) - MDNA	Homo sapiens chromosome 21 segment HS210048	Homo saplens CGI-201 prolein (LOC61340) mRNA	RC3-HT0230-040500-110-002 HT0230 Home sanians c DNA	QV4-GN0120-250900-427-512 GN0120 Home sanians cDNA	0V4-GN0120-250900-427-h12 GN0120 Home engine - DN01	AV689461 GKC Homo seniens of DNA chara CK CENTROTS	2819355 Springs NIH MGC Thurs and and all the Control of the Contr	Homo sabiens neutronal cell achaerion molecule AIDCAM molecula	VAIVIII (AIVVAIVI) annonem en	Himsh endonancis retraining cell annesion molecule (NRCAM) mRNA	Format incognition is a format by the control of th	EST387124 MAGE resequences, WAGE 1	Homo capiene abrentalisid francés activit (El TE) - DNA	The control of the co	Homo satisfies a unantitated by the sechana State for Board (MA Access Control Board (MA Access	Homo sapiens HSPC144 pmien (HSPC144) mRNA	Homo saplens HSPC144 protein (HSPC144), mRNA	Homo sapiens similar to ectonucleotide pyrophosphatase/phosphodiesterase 3 (H. sapiens) (LOC63214), mRNA	Homo sergiens secretary nethway commonant Sec348-4 and Alexandrical and Al	Homo saniene mRNA for KIAA1200 passeis, pastiel ode	Homo canisma mBNA for KIAA7200 making national	Transcriptions of the property of the control of th		ROTRESTATE INJURIAL CEI BARRESION MOISCUIR (INRCAIN) MKNA BOTRESTATE INIH MGC 57 Homo seniem CONG First 1140 CE 4004000 20	ILE-HT0117-011098-004-D07 HT0117 Hamp saplens cDNA
	Top Hit Database Source	NT	۲	LΝ	L'N	Ę	EST HUMAN	4	NT	Z	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	FST HIMAN	LU	FZ	Į.	LINAVA	Т	NO.						L					T HI IMAN	EST HUMAN
2	Top Hit Acession No.	5.0E-96 AB023177.1	5.0E-96 AB024334.1	5.0E-96 M68347.1	5.0E-96 M88347.1	7661973 NT	3.0E-96 H68656.1	4503098 NT	2.0E-96 AL163248.2	7708205 NT	2.0E-96 BE148074.1	2.0E-96 BF369731.1	2.0E-96 BF369731 1	2.0E-96 AV689461.1	2.0E-96 AW 249440 1	4826863 NT	TN SARRY		7	1.0F-96 AW955054 1	5453913 INT	FR12735 NT	6912455 NT	7661803 NT	7661803 NT	11419429/NT	1.0E-96 AF274863.1	Γ		56863	TIM SABORA	6.0E-97 BF245240.1	$\prod$
	Most Similar (Top) Hit BLAST E Value	5.0E-96	5.0E-96	5.0E-96	5.0E-96	5.0E-96	3.0E-98	2.0E-96	2.0E-96	2.0E-98	2.0E-96	2.0E-96	2.0E-96	2.0E-96	2.0E-96	1.0E-96	1.0F-98	1.0F-96 Y18890 1	1 0E.ag	1.05-96	1.0E-96	1.0F-96	1.0E-96	1.0E-96	1.0E-96	1.0E-96	1.0E-96 /	1.0E-96	1.05-98	1.0F-96	1 OF OR	6.0E-97 F	6.0E-97
	Expression Signal	0.91	0.76	1.87	1.87	1.33	15.95	5.76	1.1	1.03	1.56	0.59	0.59	4.9	2.54	0.86	0.86	3.08	20.6	9.97	1.59	1 19	0.71	6.0	6.0	21.44	2.22	0.68	0.68	3.29	3 29	0.72	3.4
	S O	33740			34801	38769			26994	28079	30895	34165	34166			26845	26846	26905	28063	28084		31487	33470	35017	35018	35531	35674	37007	37008	26845	26846	29590	
	Exen SEQ ID NO:			21379	21379	25063	17451	13623	13947			20690	20690	22250	25214	13823	13823	ı	1	1	18444	18532	20059	21488	21488	21992	22130	23397	23397	13823	13823	16575	20792
	Probe SEQ ID NO:	7163	7684	8297	8297	12083	4308	428	766	1834	4880	7620	7620	9181	12288	88	828	888	1822	1822	5331	7105	7194	8407	8407	8913	9051	10362	10382	12274	12274	3405	7730

Page 428 of 550 Table 4 Single Exon Probes Expressed In Placenta

		Τ	Г		1	1		1	1	1	1	ı	ı		ľ	1	1	"	Γ	ľ	r	1	-		1	[***	1	Г	Γ	T	
Single Exoli Flobes Expressed III Placella	Top Hit Descriptor	601440317F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3925133 5'	601440317F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3925133 5'	EST22672 Adipose tissue, white II Homo sepiens cDNA 5' end	EST22672 Adipose tissue, white II Homo sapiens cDNA 5' end	Human mRNA for alpha-actinin	DKFZp434N0323_r1 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434N0323 5'	2A7e12.s1 Scares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:767758 3' similar to TR:G1304126 G130412F PMS4 MRNA :	RC0-8T0812-250900-032-e09 BT0812 Homo saplens cDNA	MR0-HT0241-150500-010-b02 HT0241 Homo sapiens cDNA	MR0-HT0241-150500-010-b02 HT0241 Homo sapiens cDNA	CMO-BN0108-170300-293-a06 BN0106 Homo sapiens cDNA	Homo sapiens brefeldin A-inhibited guanine nucleotide exchange protein 2 (BIG2), mRNA	Homo saplens apolipoprotein H (beta-2-glycoprotein I) (APOH) mRNA	Homo sapiens mRNA for GalNAc alpha-2, 6-sialytransferase I, long form	Homo sapiens mRNA for GalNAc alpha-2, 6-sialyltransferase I, long form	Homo sapiens ligase III, DNA, ATP-dependent (LIG3), transcript variant alpha, mRNA	Homo sapiens cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7) (CFTR), mRNA	Homo sapiens laminin, alpha 2 (merosin, congenital muscular dystrophy) (LAMA2) mRNA	Homo sapiens were avian sarcoma (Schmidt-Ruppin A-2) viral encogene hemdog (SRC), mRNA	Homo sapiens N-myc (and STAT) Interactor (NMI), mRNA	Homo sapiens cytochrome P450, subfamily IVB, polypeptide 1 (CYP4B1), mRNA	Homo sapiens mRNA for KIAA0594 protein, partial cds	Homo sapiens mRNA for KIAA0594 protein, partial cds	Homo sapiens N-myc (and STAT) interactor (NMI), mRNA	Homo sapiens AXL receptor tyrosine kinase (AXL), transcript variant 1, mRNA	Homo sapiens AXL receptor tyrosine kinase (AXL), transcript variant 1, mRNA	Homo sapiens mRNA, similar to rat myomegalin, complete cds	Homo sapiens G-2 and S-phase expressed 1 (GTSE1), mRNA	Homo saplens mRNA for KIAA1172 protein, partial cds	Homo sapiens emyloid beta (A4) precursor protein (probasse nexin-il, Alzheimer disease) (APP), mRNA
באחון הוחם	Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	Ę	F	Z	NT	NT	F	N	뉟	N	FN	NT	IN	N	Į	Į	N N	LN LN	NT	N
A GILLO	Top Hit Acessian No.	6.0E-97 BE898012.1	6.0E-97 BE898012.1	6.0E-97 AA320332.1	6.0E-97 AA320332.1		5.0E-97 AL043314.2	5.0E-97 AA418026.1		5.0E-97 BE148597.1	5.0E-97 BE148597.1	4.0E-97 BE004436.1	5453572 NT	4557326 NT		4.0E-97 Y11339.2	7710125 NT	11422155 NT	4557708 NT	· 11421793 NT	11431060 NT	11423233 NT	4.0E-97 AB011166.1		11431060 NT	11863122 NT	33122	4.0E-97 AB042657.1	11418318 NT	3.0E-97 AB032998.1	4502166 NT
	Most Similar (Top) Hit BLAST E Value	6.0E-97	6.0E-97	6.0E-97	6.0E-97	6.0E-97 X15804.1	5.0E-97	5.0E-97	5.0E-97	5.0E-97	5.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97 Y11339.2	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	4.0E-97	3.0E-97	3.0E-97
	Expression Signal	0.75	0.75	0.65	99.0	2.42	1.73	11.21	3.12	1.68	1.68	2.13	1.41	0.92	6.47	6.47	1.09	0.92	1.08	1.43	0.51	0.82	1.06	1.06	0.55	1.99	1.99	4.51	5.26	1.58	7.16
	ORF SEQ ID NO:		35758			38381	34809	34943	36502	38519	38520	27196	28202	32166	. 33615		33737	33492	34937	35171				36129			38163			26504	27138
	SEQ IO NO:			23854	i I	1	21286	21417	22917	24829	24829	14135	15102	18877	20190	20190	20294	20079	21411	21634	21858	21899	22585	22565	23686	24496	24496	23905	25325	13473	14073
	Probe SEO ID NO:	9134	9134	10821	10821	11692	8204	8336	28877	11840	11840	362	1959	6683	6962	6962	7161	7214	8329	8553	8779	8820	9448	9449	10652	11435	11435	11719	12472	253	897

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Poste   Enn   Core   Sec   Decreasion   Too Hill Accession   Too Hill		1	ı	ı	1	ı	1	ı	ı		1	ı	ı	1	1	ı	ı	ı	P	1	1"	17	F	1 ~~	[ ``	•	٦.		1	ŗ	<b>!</b> ~~	1-	1-
Exon NO:         ORF SEQ Signal NO:         Expression Signal NO:         Most Similar Signal NO:         Top Hit Signal NO:         Top Hit No:         Top Hit Source No:         Top Hit Source No:         Top Hit Source No:         Top Hit Source No:         Top Hit Source No:         Top Hit No:         Top Hit Source No:         Top Hit Source No:         Top Hit No:         Top Hit Source No:         Top Hit Source No:         Top Hit No:         Top Hit Source No:         Top Hit No:         Top Hit Source No:         Top Hit Source No:         Top Hit No:         Top Hit Source No:         Top Hit No:         Top Hit No:         Top Hit No:         Top Hit Source No:         Top Hit No:	Top Hit Descriptor	Homo sapiens amyloid beta (A4) precursor protein (protease nextn-il, Alzheimer disease) (APP). mRNA	Homo saplens N-myc (and STAT) Interactor (NMI), mRNA	Human beta-prime-adaptin (BAM22) gene, exon 7	Homo sapiens pericentrin (PCNT) mRNA	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	601339520F1 NIH_MGC_63 Homo saplens cDNA clone IMAGE:3681821 5	Homo sapiens phosphorylase kinase, gamma 1 (muscle) (PHKG1) mRNA	yf38c08.s1 Soares fetal liver spicen 1NFLS Hamo sapiens oDNA clone IMAGE:129134 3'	Homo sapiens KIAA0849 gene product (KIAA0849), mRNA	Homo sapiens KiAA0849 gene product (KiAA0849), mRNA	nk29g02.s1 NCI_CGAP_Co11 Homo sapiens cDNA clone IMAGE:1014962 3'	Homo sapiens ribosomal protein S15 (RPS15), mRNA	Homo sapiens ribosomal protein S15 (RPS15), mRNA	PM4-BT0724-010400-008-a12 BT0724 Homo sapiens cDNA	Homo saplens cat eye syndrome critical region gene 1 (CECR1), mRNA	Homo sapiens CLDN12 gene for claudin-12	Homo sapiens mRNA for KIAA1636 protein, partial ods	Homo sapiens mRNA for KIAA1638 protein, partial cds	Homo sapiens death-associated protein (DAP), mRNA	Homo saplens death-associated protein (DAP), mRNA	Human mRNA for amyloid A4(751) protein	Homo sapiens succinate-CoA ligase, GDP-forming, alpha subunit (SUCLG1), mRNA	Homo sapiens mRNA for KIAA 1365 protein, partial cds	Homo saplens 17-beta-hydroxysteroid dehydrogenasa IV (HSD17B4) gene, exon 8	Homo sepiens SWISNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3 (SMARCA3) mRNA	Homo saplens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a	member 3 (SMARCA3) mRNA	Homo capiene inceltol polyphosphate 1-phosphatace (INPP1) gene, complete cds	Homo sapiens protease-activated receptor 3 (PAR3), mRNA	Homo sapiens mRNA for KIAA1005 protein, partial cds	Homo sapiens mRNA for KIAA 1005 protein, partial cds	PM4-BT0724-010400-008-a12 BT0724 Homo saplens cDNA
Exon No: Signed No: Signed No: Signed No: DD No: DD No: Signed 15938         Corp. Hit Top Hit Accasion No: Value No: No.	Top Hit Database Source	5	Ę	F	Į.		HUMAN		T_HUMAN		Ę		Į			Ę	Ę	Þ	F	Į.													
Exon No:         ORF SEQ ID No:         Expression Graph III (Top) Hit Plant (Top) Hi	Top Hit Acession No.	4502166	4758813	136255.1	5174478	4503470		5453881		11427757	11427757		11426272	11426272	3E090973.1	8393092	Γ		Γ	4758119	4758119		11321580			4607070		4507070		11431544			
Exon No:         ORF SEQ Express No:         Express Signe Signe No:           14073         27139         Signe	<del></del>	3.0E-97	3.0E-97	3.0E-97 L	3.0E-97	1.0E-97	1.0E-97 E	1.0E-97	1.0E-97 F	1.0E-97	1.0E-97	1.0E-97	1.0E-97	1.0E-97	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	9.0E-98	<b>⊅</b>  86-30'6	9.0E-98		9.0E-98	9.0E-98	9.0E-98	9.0E-98	90.5 98	9.0E-98
Exan SEQ ID NO: 14073   16036	Expression Signal	7.16	<u>1</u>	2.4	96.0	22.23	2.72	69.0	1.02	2.84	2.84	1.38	8.3	8.3	2.34	1.32	0.79	4.13	4.13	5.62	5.62	1.78	1.12	1.6	0.81	1.28		1.28	29'0	0.5	2.62	2.62	4.97
Exan SEQ ID NO: 14073   16036	ORF SEQ ID NO:									37663										34711									37115	37215			
Probe SEQ ID NO: 1473   1473		14073	16039	15998	16508			Li												H			22499	22549	22605	22709		22709	23502	23610	24322	24322	14099
	Probe SEQ ID NO:	897	1473	2508	3333	4902	6557	7039	9966	10945	10945	11589	11758	11756	824	1305	6432	8020	B020	8109	8109	9318	9425	9492	9540	8667		9587	10467	10575	11253	11253	12487

Page 430 of 550 Table 4 Single Exon Probes Expressed in Placenta

1		_	-	Т	_		-1	1	r	٠,٠		-,-	-1-	_		-1-			1	41	- Table	- 12	-,-		ay vi	- Eur	-,-,	Tar De	infer	-	<b>-,-</b>	<del></del>		
	Top Hit Descriptor	Homo sapiens hPAD-colony10 mRNA for peptidylarginine delminase type I complete cds	Homo saplens I. 2-inducible T-cell kinase (ITK), mRNA	Homo saplens IL2-inducible T-call kinase (ITK) mRNA	Homo saplens PMS2L16 mRNA, partial cds	Homo saplens PMS2, 16 mRNA, partial cds	Human mitochondrial creatine kinase (CKMT) gene. complete cds	601507503F1 NIH MGC 71 Homo sapiens cDNA clone IMAGE:3909097 51	AJ403124 3.4 (downregulated in larvitx carcinoma) Homo sapiens cDNA clone is	Homo sapiens mRNA for KIAA0707 protein, partial ods	7B18H01 Chromosome 7 Fetal Brain cDNA Library Homo sabiens cDNA clone 7R18H01	Homo sapiens activator of S phase kinase (ASK) mRNA	Homo saplens activator of S phase kinase (ASK), mRNA	vo17g09.r1 Soares adult brain N2b5HB557 Home saniens cDNA clone IMAGE-17g2/0 F	Homo sabiens uncharacterized bone merrow profein BM030 (BM030) mBNIA	AJ403124 3.4 (downrequiated in Jarux carcinoma) Homo satiens cDNA clane is	AJ403124 3.4 (downrequisted in Jarum Carcinoma) Homo sanians cDNA clone is	601673686F1 NIH MGC 21 Homo sapiens cDNA clone IMAGE:3956517 5'	Himan filmanace province / CLIV w DNA	obsolo2x1 Spares fettel heart NNHH10M Home entered for CONN close (1700-1700-171)	Homo saplens Ran GTP ase activating protein 1 (RANGAP1) mRNA	601149486F1 NIH MGC 19 Homo sablens cDNA clone IMAGE: 3502245 5'	601172658F1 NIH MGC 17 Homo saplens cDNA clone IMAGE:3528134 5	Homo sapiens chromosome 21 segment HS210002	Homo sepiens potessium channel subunit (HERG-3) mRNA, complete cds	Homo sapiens fatty-acid-Coenzyme A ligase, long-chain 4 (FACL4) mRNA	Homo saplens attractin precursor (ATRN) gene, expn 16	Homo sapiens attractin precursor (ATRN) gene, exon 16	Homo saplens PDZ domain-containing guanine nucleotide exchange factor I (LOC51735) mRNA	Homo sapiens phosphatidylinositol 3-kinase, class 2, alpha polypeotide (PIK3C2A) mRNA	Homo sapiens hypothetical protein FLJ10488 (FLJ1048B), mRNA	Homo sapiens hypothetical protein FLJ10488 (FLJ1048B), mRNA	Homo saplens SH3-domain GRB2-like 2 (SH3GL2), mRNA	Homo sapiens SH3-domain GRB2-like 2 (SH3GL2), mRNA
	Top Hit Database Source	N.	Ĭ	N	Z	N L	NT	EST HUMAN	EST HUMAN	L	EST HUMAN	N	F	EST HUMAN	LN	EST HUMAN	EST HUMAN	EST HUMAN	i L	EST HUMAN	LN.	EST HUMAN	EST HUMAN	L	LN LN	LN	LZ	LN	LN PL	IN	LZ	LZ	TN	NT
	Top Hit Acession No.	8.0E-98 AB033768.1	5031810 NT	5031810 NT	8.0E-98 AB017007.1	8.0E-98 AB017007.1	J04469.1	5.0E-98 BE885873.1	3.0E-98 AJ403124.1	3.0E-98 AB014607.1	3.0E-98 AA077498.1	11419210 NT	11419210 NT	3.0E-98 H46698.1	8922096 NT	3.0E-98 AJ403124.1	3.0E-98 AJ403124.1	3.0E-98 BE900454.1	isaana 1	3.0E-98 AI159975.1	11418177 NT	2.0E-98 BE261694.1	2.0E-98 BE294281.1	2.0E-98 AL163202.2	2.0E-98 AF032897.1	4758331 NT	2.0E-98 AF218902.1	2.0E-98 AF218902.1	7706512 NT	4505798 NT	11431271 NT	11431271 NT	11428813 NT	11428813 NT
	Most Similar (Top) Hit BLAST E Value	8.0E-98	8.0E-98	8.0E-98	8.0E-98	80E-98	8.0E-98 J04469.1	5.0E-98	3.0E-98	3.0E-98	3.0E-98	3.0E-98	. 3.0E-98	3.0E-98	3.0E-98	3.0E-98	3.0E-98	3.0E-98	3 0F-98   159309 1	3.0E-98	3.0E-98	2.0E-98	2.0E-98	2.0E-98 /	2.0E-98 /	2.0E-98	2.0E-98 /	2.0E-98 /	2.0E-98	2.0E-98	2.0E-98	2.0E-98	2.0E-98	2.0E-98
	Expression Signal	0.93	1.1	1.1	2.79	2.79	6.45	96'0	1.35	2.1	5.04	1.99	1.39	4.07	0.54	1.82	1.82	0.89	2.56	222	3.01	19:0	4.06	2.21	0.82	4.23	1.39	1.39	4.76	1.7	1.25	1.25	4.44	4.44
	ORF SEQ ID NO:	27631	27825	27826	28009	28010	30022	32732	28508	28910		33602	33603	35571	36115	36726	36727	37330	37899	38504		26980	28399	28578	30538	30577	31052	31053	31708	33347	34348	34349	35426	35427
	Exon SEQ ID NO:	14557	14743	14743	14914			19382	15380	16793	15921		20179	22030	22553	23125	23125	23724	24264	24808	25739	13935	15277	15443	17553	17599	18078	18078	18691	19948	20857	20857	21886	21886
	Probe SEQ ID NO:	1403	1591	1591	1765	1765	3896	6207	2247	2673	2807	7085	7085	8951	9497	10087	10087	10691	11196	11819	13138	754	2141	2311	4411	4459	4948	4948	5492	6793	7801	7801	8807	8807

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	Top Hit Descriptor	Homo sapiens NKAT4b mRNA, complete cds	Homo sapiens NKAT45 mRNA, complete cds	H. sapiens arginase gene exon 3 (EC 3.5.3.1)	Homo sapiens AIM-1 prolein (LOC51151), mRNA	Homo sapiens mRNA for KIAA1593 protein, partial ods	Homo saplens chromosome 12 open reading frame 3 (C12ORF3), mRNA	tw36b04.x1 NCI_CGAP_Ut1 Homo sapiens cDNA clone IMAGE:2261743 3' similar to SW:RL2B_HUMAN P28316 60S RIBOSOMAL PROTEIN L23A ;	PM0-BN0065-100300-001-c08 BN0065 Homo sapiens cDNA	yv23f05.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:243585 6' similar to PIR:S54204 S54204 ribosomal protein L29 - human ;	zp98c09.r1 Stratagene muscle 837209 Homo sapiens cDNA clone IMAGE:028240 5' similar to TR:G806662 G8008562 NEBULIN.:	601284986F1 NIH MGC 44 Hand septens cDNA clone IMAGE:3606692 57	601284986F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3606692 5'	Homo sapiens beta-tubulin mRNA, complete cds	Homo sapiens beta-tubulin mRNA, complete cds	QV-BT073-191298-012 BT073 Homo saplens cDNA	QV-BT073-191298-012 BT073 Homo sepiens cDNA	EST380711 MAGE resequences, MAGJ Homo sapiens cDNA	IMESHO7.x1 NCI_CGAP_Bm25 Homo sapiens oDNA clone IMAGE:2163421 3' similar to SW:BID_HUMAN '' P55957 BH3 INTERACTING DOMAIN DEATH AGONIST ;	m69h07.x1 NCI_CGAP_Bm25 Homo sapiens oDNA clone IMAGE:2163421 3' similar to SW:BID_HUMAN P56967 BH3 INTERACTING DOMAIN DEATH AGONIST ;	zn90d02.r1 Stratagene king carcinoma 937218 Homo saplens cDNA clone IMAGE:565443 5' similar to TR:0662994 G682994 GPI-ANCHORED PROTEIN P137. ;	Human endogenous retrovirus, complete genome	Homo sapiens oscillin (hLn) gene, exon 5	Homo sapiens NK-receptor (KIR-G2) gene, linker region exon	Human G2 protein mRNA, partial cds	Homo saplens cysteine-rich repeat-containing protein S52 precursor, (LOC\$1232), mRNA	Homo sapiens cystelne-rich repeat-containing protein S52 precursor, (LOC51232), mRNA	EST388473 MAGE resequences, MAGN Homo sapiens cDNA	Homo sapiens CD34 antigen (CD34) mRNA
	Top Hit Database Source	N	TN	LN T	LN	NT.	Į.	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	F	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	١	۲×	占	NT	TN	NT	EST_HUMAN	N
	Top Hit Acession No.	.76668.1		(12664.1	7705868 NT	2.0E-98 AB046E13.1	11435947 NT	1.0E-98 AI862007.1	1.0E-98 AW998611.1	449818.1	1 0F-98 AA195854 1	1 0F-98 BF390627 1	1.0E-98 BE390627.1	1.0E-98 AF141349.1	1.0E-98 AF141349.1	9.0E-99 A 1905004.1	9.0E-99 A 1905004.1	9.0E-99 AW968635.1	9.0E-99 Al479829.1	8.0E-99 AI479829.1	9.0E-99 AA134604.1	9635487 NT	7.0E-99 AF035808.1	7.0E-99 AF001885.1	6.0E-89 U10991.1	11430555 NT	11430655 NT	6.0E-89 AW976364.1	4502660 NT
	Most Similar (Top) Hit BLAST E Value	2.0E-98 L76668.1	2.0E-98 L76666.1	2.0E-98 X12664.1	2.0E-98	2.0E-98 /	2.0E-98	1.0E-98	1.0E-98 /	1.0E-98 N49818.1	1 0F-98	1 0F-98	1.0E-98	1.0E-98/	1.0E-98	9.0E-99	9.0E-99	9.0E-99	9.0E-90	8.0E-99	9.0E-99	8.0E-99	7.0E-99	7.0E-99	6.0E-99	6.0E-99	6.0E-99	6.0E-89	6.0E-99
	Expression Signal	0.8	0.8	1.56	1.65	1.61	2.23	27.52	3.27	26.16	88	790	76.0	0.69	0.59	1.05	1.05	4.01	1.85	1.85	1.72	1.19	9.26	1.91	0.72	6.2	6.2	2.8	1.42
	ORF SEQ ID NO:	35503					32062		26698			ı	32173	35815	35816				38105			L	32458			L			30986
	SEQ ID	21968	21968	22802	23658	25116	25340	13613	13662	14986	1RR32	18881	18881	72277	77227	19125	19125	19341	24445	24445	24697	22003	19142	24896	13678	15331	i I	Ιí	18003
	Probe SEQ ID NO:	8889	8888	9737	10624	12136	12492	418	487	1840	5.432	E687	5687	9199	9199	5939	5939	8166	11384	11384	11700	8924	5956	11808	<u>\$</u>	2196	2186	3995	4870

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	Top Hit Descriptor	Homo saplens GAP-like protein (LOC51306), mRNA	Homo sapiens polycystic kidney disease (PKD1) gene, exons 27-30	Homo saplens polycystic kidney disease (PKD1) gene, exons 27-30	H. sapiens mRNA for estragen receptor	Homo sapiens ankyrin-like with transmembrane domains 1 (ANKTM1), mRNA	Homo sapiens NDST4 mRNA for N-deacetylase/N-sulfotransferase 4, complete cds	Homo sapiens lodestar protein mRNA, complete cds	Homo saplens lodestar protein mRNA, complete cds	Homo sapiens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), mRNA	Homo sapiens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), mRNA	Homo sapiens BH3 interacting domain death agonist (BID), mRNA	Homo sapiens UDP-glucose, glycoprotein glucosyltransferase 1 (HUGT1), mRNA	Homo sapiens UDP-glucose glycoprotein glucosytransferase 1 (HUGT1), mRNA	H.saplens IMPA gene, exon 8	Homo sapiens T cell receptor beta locus, TCRBV7S3A2 to TCRBV12S2 region	601513157F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3914391 5'	Human E2A/HLA fusion protein (E2A/HLF) mRNA, complete cds	Xp09e06.X1 NCI_CGAP_HN9 Homo sapiens cDNA clone IMAGE:2739874 3' similar to gb:M31212 MYOSIN	LIGHT CHAIN ALKALI, NON-MUSCLE ISOFORM (HUMAN);	Human Ku (p70/p80) subunit mRNA, complete cds	Homo sapiens short chain L-3-hydroxyacyi-CoA dehydrogenase precursor (HADHSC) gane, nuclear gene encoding mitochondrial protein, complete cds	Homo sapiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	2b46d06.r1 Soares_fetal_lung_NbHL19W Homo sepiens cDNA clone IMAGE:306635 5' similar to ph:M15182 RETA_CI ICI IPONIDAGE DRECUISSOD / LIMANN:	vi81b09.1 Seares placenta Nb2HP Homo sapiens cDNA clone IMAGE-145625 5:	Homo sapiens myosin X (MYO10) mRNA, complete cds	Homo sapiens potassium channel, subfamily K, member 10 (KCNK10), mRNA	Homo sapiens intersectin long Isoform (ITSN) mRNA, complete cds	Homo saplens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	Human Ku (p70/p80) subunit mRNA, complete cds	Homo sapiens truncated Niemann-Pick C3 protein (NPC3) mRNA, complete cds	Homo saplens truncated Niemann-Pick G3 protein (NPC3) mRNA, complete cds	Homo sapiens FK508-binding protein 6 (36kD) (FKBP6) mRNA, and translated products
	Top Hit Database Source	N.	TN	NT	N.	LZ	N	Ę	N	FN	LΝ	N	LN.	LN LN	N	LN	EST HUMAN	N-I		EST HUMAN	NT	IN	ĮŅ.	NAMILH TSE	EST HUMAN	Į.	NT	Ę	Ę	N T	NT	NT	NT
,	Top Hit Acession No.	7706136 NT			X99101.1	6601589 NT	6.0E-99 AB036429.1	6.0E-99 AF080255.1	6.0E-99 AF080255.1	11431994 NT	11431994 NT	11526299 NT	9910279 NT	9910279 NT		5.0E-99 AF009660.1	5.0E-99 BE890177.1			2.1		2.0E-99 AF095703.1	2.0E-99 AF257737.1	2 DE-99 W 23507 1		27	3360	1.0E-99 AF114487.1	11526150 NT	1.0E-99 M30938.1		1.0E-99 AF192523.1	4503730 NT
	Most Similar (Top) Hit BLAST E Value	6.0E-99	6.0E-99 L43610.1	6.0E-99 L43610.1	6.0E-99 X99101.1	6.0E-99	6.0E-99	6.0E-99	6.0E-99	66-30.9	60E-99	60E-99	60E-89	6-30.9	5.0E-99 Y11365.1	5.0E-99	5.0E-99	3.0E-99 M95586.1		2.0E-99/	2.0E-99 M30938.1	2.0E-99/	2.0E-99 /	9.0F.99.1	2.0E-99 R78254.1	2.0E-99/	2.0E-99	1.0E-99	1.0E-99	1.0E-99]	1.0E-99/	1.0E-99 A	1.0E-99
	Expression Signal	0.94	0.74	0.74	1.85	0.59	2.67	7.6	9.7	0.59	0.69	3.15	2.02	2.02	1	1.81	2.49	4.95		7.26	1.4	1.82	0.76	10 79	0.75	3.16	1.64	1.49	1.75	3.61	1.16	1.16	1.21
	ORF SEQ ID NO:	33280		23377				88998			35745	37674	37553	37554	28268						29522	30787	34410	35523	35986	38085	38767			27684	27819	27820	28224
	SEQ ID NO:			ll			1								15163			21597		- 1	16504	17800	20906	21983	22428	24428	25061				14739	14739	15123
	Probe SEQ ID NO:	6732	6816	6816	8296	8314	8964	9064	9064	9123	9123	10958	11742	11742	2022	4686	12502	8516		1268	3331	4665	7851	8904	9353	11367	12081	325	330	1452	1587	1587	1980

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Single Exon Probes Expressed in Placenta	Top Hit Descriptor	Homo sapiens FK508-binding protein 6 (36kD) (FKBP6) mRNA, and translated products	Human interferon-alpha receptor (HulFN-alpha-Rec) mRNA, complete cds	Homo saplens fatty acid emide hydrolase (FAAH) gene, exon 14	Homo sapiens faity acid amide hydrolase (FAAH) gene, exon 14	Homo sapiens glycine receptor, alpha 2 (GLRA2), mRNA	Homo sapiens glydine receptor, alpha 2 (GLRA2), mRNA	H.sapiens E6-AP gene exon 2	Homo sapiens ALEX1 protein (LOC51309), mRNA	hd02h02xt Soares, NFL_T_GBC_S1 Homo sepiens oDNA clone IMAGE:2908371 3' similar to TR:002711 O02711 PRO-POL-DUTPASE POLYPROTEIN:	Homo sapiens huntingtin interacting protein 1 (HIP1), mRNA	Homo saplens huntingtin interacting protein 1 (HIP1), mRNA	Homo sapiens heat shock transcription factor 2 binding protein (HSF2BP), mRNA	Homo saplens mRNA for KiAA1005 protein, partial cds	Homo sapiens leucy/loystiny/ aminopeptidase (LNPEP), mRNA	Homo saplens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	Homo sepiens ohromosome 21 segment HS210247	Homo sepiens chromosome 21 segment HS21C047	Homo saplens Testis-specific XK-related protein on Y (XKRY), mRNA	Homo sapiens Testis-specific XK-related protein on Y (XKRY), mRNA	xv78b11.x1 NCI_CGAP_Bm53.Homo sapiens cDNA clone IMAGE:2824605 3'	Homo sapiens chromosome 21 segment HS21C008	Homo saplens chromosome 21 segment HS21C049	EST02975 Fetal brain, Stratagene (cat#936206) Homo saplens cDNA clone HFBCR32	Homo sapiens X-linked anhidroitic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	G.sorilla DNA for ZNF80 gene homolog	RC3-HT0625-040500-022-b09 HT0625 Homo sapiens oDNA	Homo sapiens DKFZP586M0122 protein (DKFZP586M0122), mRNA	Homo saplens DKFZP586M0122 protein (DKFZP586M0122), mRNA	UFH-BI1-effk-o-07-0-U.s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2722164 3'	qf82f09.x1 Soarces_tests_NHT Homo sapiens cDNA cione IMAGE:1754633 3' similar to SW:CYT_COTJA P81061 CYSTATIN;
Exon Propes	Top Hit Database Source		Ŧ	Ĭ,	Ĭ LN			F F		EST HUMAN OC				보		¥ 8					THUMAN			EST_HUMAN ES	OH TN		EST_HUMAN RC			EST_HUMAN UF	est_HUMAN P8
Bulg	Top Hit Acession No.	4503730 NT	1.0E-99 J03171.1	1.0E-99 AF096018.1	1.0E-99 AF098018.1	11421007 NT	11421007 NT	1.0E-99 X98022.1	11419721 NT	1.0E-99 AW340174.1	7427514 NT	7427614 NT	TN 6761065	1.0E-99 AB023222.1	11417191 NT	1 0E-90 AE240798 1			8230	11418230 NT			7		1 0F-100 4 F003528 1		1.0E-100 BE180609.1	7661685 NT	7861685 NT	1.0E-100 AW207555.1	1.0E-100 AI200857.1
	Most Similar (Top) Hit BLAST E Value	1.0E-99	1.05-99	1.05-89	1.0E-99	1.05-99	1.0E-99	1.0E-99	1.0E-99	1.0E-99	1.0E-99	1.0E-99	1.0Ε-99	1.0E-99	1.0E-99	4 015-00	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100/	1.0E-100 T05087.1	1 0F-100	1.0E-100 X89831.1	1.0E-100	1.0E-100	1.0E-100	1.0E-100 /	1.0E-100
	Expression Signal	1.21	56.0	2.64	2.64	1.25	1,25	0.81	0.75	1.7	2.56	2.66	1.68	2.83	2.45	4 50	17	2.91	1.62	1.62	0.82	0.89	1.84	1.87	2.24	5.88	1.21	4.57	4.57	1.3	1.66
	ORF SEQ ID NO:			30621				33827					38191		38687		26241	26241	26329	26330	26353	26425	28573	26592				П	27267		27814
	Exan SEQ ID NO:								22474	22785	24464				24981	25193	13241	13241	, ,	.		13397	13541	13584	13848	13697	13715	14210	14210	14730	14733
	Probe SEQ ID NO:	1980	3154	4499	4499	6943	6943	7289	8400	9720	11403	11403	11462	11659	11998	12257	٣	2	70	2	8	173	327	353	450	502	522	1044	1044	1577	1581

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F	_	-	_	-	-	3	_	_	,		-	-,	_	_,_		_	_							-		_	_			
Top Hit Descriptor	Rat mRNA for short type PB-cadherin, complete cds	H.saplens mRNA for IFN-gamma (pKC-0)	Homo saplens KIAA0957 protein (KIAA0957), mRNA	Homo sapiens RGH2 gene, retrovings-like element	Homo sapiens myotubularin-related protein 1a mRNA, partial cds	Homo saplens follicle sumulating hormone receptor (FSHR) mRNA	Homo saplens small optic tobes (Drosophila) homolog (SOLH) mRNA	Homo sapiens small optic lobes (Drosophila) homolog (SOLH) mRNA	601863164F1 NIH MGC 67 Homo saplens cDNA clone IMAGE:4080999 51	x882f01 x1 NCI_CGAP_CML1 Homo sapiens cDNA done IMAGE:2573305 3' similar to gb:X12433 PROTEIN PHPS1-2 (HUMAN):	AU118182 HEMBA1 Homo sabiens cDNA clone HEMBA1003048 5	Homo sapiens NF-E2-related factor 3 dene, complete cds	Human mRNA for plasma inter-alpha-tropsin inhibitor heavy chain H/3)	Homo sapiens ER to nucleus signalling 1 (ERN1) mRNA	Homo saplens ER to nucleus signalling 1 (ERN1) mRNA	AU140214 PLACE2 Hamo sapiens cDNA clone PLACE2000137 5	y/38c08.s1 Spares fetal liver spleen 1NFLS Homo saniens cDNA clone IMAGE 129134 st	Homo saplens Rho GTPase activating protein 6 (ARHGAPB), transcript varient 4 mRNA	ae33b06.r1 Gessler Wilms fumor Homo sapiens cDNA clone IMAGE:897587 5' similar to TR:G487418 G487418 ACTIN FILAMENT-ASSOCIATED PROTIEIN	ae33b06.r1 Gessler Wilms tumor Homo sapiens cDNA clone IMAGE:897587 5' similar to TR:G487418 G487418 ACTIN FILAMENT.ASS.OCIATED PROTEIN	MR1-TN0046-060900-004-b05 TN0048 Home septens cDNA	MR1-TN0046-060900-004-b05 TN0046 Homo saplens cDNA	Human mRNA for kidhey epidermal growth factor (EGF) precursor	601647357F1 NIH MGC 61 Homo septens cDNA clone IMAGE:3931310 5	Homo sapiens chromosome 21 segment HS21C003	AU118951 HEMBA1 Homo saplens cDNA clone HEMBA1000343 5'	AU116951 HEMBA1 Homo sapiens cDNA clone HEMBA1000343 5'	Homo sapiens mRNA for KIAA1485 protein, partial cds	w/37g09.x1 NCI_CGAP_Pr28 Homo sepiens cDNA clone IMAGE:2489920 3' similær to contains element MER.22 resettive element:	PM0-BN0065-100300-001-006 BN0066 Homo sapiens cDNA
Top Hit Database Source	LN LN	LN	LN	LN	FN	LΖ	FZ	LZ	EST HUMAN	EST HUMAN	EST HUMAN	N-	LN	N	NT	EST HUMAN	EST HUMAN	NT	EST HUMAN		Г	Г	Г	EST HUMAN		EST_HUMAN	THUMAN	Г	EST HUMAN	
Top Hit Acession No.	<b>J83349.1</b>	(62468.1	11418976 NT	011078.1	1.0E-100 AF057354.1	4503792 NT	5032104 NT	5032104 NT	1.0E-100 BF244218.1	1.0E-100 AW075983.1	1.0E-100 AU118182.1	1.0E-100 AF135116.1	(14690.1	4557568 NT	4557568 NT	1.0E-100 AU140214.1		7382479 NT	1.0E-100 AA496841.1	1.0E-100 AA496841.1		Γ				1.0E-100 AU116951.1				
Most Similar (Top) Hit BLAST E Value	1.0E-100 D83349.1	1.0E-100 X62468.1	1.0E-100	1.0E-100 D11078.1	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100 /	1.0E-100	1.0E-100 X14690.1	1.0E-100	1.0E-100	1.0E-100	1.0E-100 R10887.1	1.0E-100	1.0E-100 A	1.0E-100 A	1.0E-100 BF376478.1	1.0E-100 BF376478.1	1.0E-100 X04571.1	1.0E-100 BF103853.1	1.0E-100 AL163203.2	1.0E-100	1.0E-100 AU116951.1	1.0E-100 AB040918.1	1.0E-100 AI972388.1	1.0E-100 AW998611.1
Expression Signal	1.14	1.41	2.5	6.55	1.67	2.28	3.01	3.01	1.74	0.76	1,45	1.78	0.85	0.0	0.0	5.62	1.36	1.77	1.02	1.02	1.18	1.18	6.2	3.53	5.59	0.47	. 0.47	3.88	1.65	228
ORF SEQ ID NO:		28754			30456	30474	31291		31578		32314	32361			32818	33174	33384	33653	33038	33639	33583	33584	33591	35345		35837	35838	36073		34588
Exon SEQ ID NO:	15447			16259		-	1	- [	18606				19146			19786	_	20223	20210	20210						ı	22294		22776	1
Probe SEQ ID NO:	2315	2507	2771	3083	4326	4351	5202	5202	5404	5625	5818	5864	6960	6292	6292	9626	6824	8069	6982	6982	7026	7026	7033	8729	8766	9216	9216	9433	9510	9633

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Top Hit Descriptor	AU127720 NT2RP2 Homo sapiens cDNA clane NT2RP2001918 5'	Homo sapiens mRNA for KIAA 1626 protein, partial cds	Homo sapiens mRNA for KIAA1626 protein, partial cds	hh83c11.y1 NCLCGAP_GU1 Home sapiens cDNA clone IMAGE:2869398 5'	hh83c11.y1 NCI_CGAP_GU1 Hamo sapiens cDNA clone IMAGE:2969396 6/	802020554F1 NCL CGAP Brn67 Hamo saplens cDNA clane IMAGE:4156185 5'	Human endogenous retrovirus HERV-K, pol gene	MR0-BN0070-270300-008-h11 BN0070 Homo sapiens cDNA	H.seplens CD97 gone exon 4	H.saplens CD97 gene exon 4	Homo eaplens 14q32 Jaggedz gene, complete cds; and unknown gene	Homo sapiens 14q32 Jagged2 gene, complete cds; and unknown gene	Home sapiens chromosome 21 segment HS210047	Home sapiens golgin-like protein (GLP) gene, complete cds	Homo sapiens otase gene, exon 12	Homo capiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	7288h03 x1 NCI CGAP Lu24 Homo sanians cDNA clane IMAGE: 3' similar to TR 021997 021997	COSMID R151. [2] TR: QBUA08;	Homo sapiens SH3-domain binding protein 1 (SH3BP1), mRNA	Homo sapiens KIAA0063 gene product (KIAA0063), mRNA	Homo sapiens transcobalernin II; macrocytio anemia (TCN2), mRNA	Hamo seplens SEC14 (S. cerevislas)-like 2 (SEC14L2), mRNA	Homo saptens SEC14 (S. cerevisiae)-ilice 2 (SEC141.2), mRNA	Homo saplens mRNA for KIAA0446 protein, partial cds	Homo sapiens ventral anterior homeobox 2 (VAX2), mRNA	Homo seplens ventral anterior homeobox 2 (VAX2), mRNA	Homo sapiens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA	Homo sapiens phosphoribosylglycinamide formytransferase, phosphoribosylglycinamide synthetase,	phosphoribosylaminolimidazole syntherase (GART) mRNA	Homo sepiens of cardiac aphe-myosin heavy chain gene	w.ı	qg99e09.xf Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1843336.3'	Homo sepiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA
Top Hit Database Source	EST HUMAN	L	Ę	EST_HUMAN	EST HUMAN	EST_HUMAN	LN	EST_HUMAN	LN.	FN	IN	TN	L	LN	NT	Ė		EST_HUMAN	LZ.	۲N	LX.	NT	LY	TN	LN	L'N	FZ		-Z	L	EST HUMAN	EST HUMAN	LN
Top Hit Acession No.	1.0E-100 AU127720.1	1.0E-100 AB046846.1	1.0E-100 AB046846.1	1.0E-100 AW630487.1	1.0E-100 AW630487.1	1.0E-100 BF347519.1	1.0E-100 Y10391.1	1.0E-100 BF327292.1			1.0E-100 AF111170.3	1.0E-100 AF111170.3	1.0E-100 AL163247.2	.0E-100 AF265285.1	1.0E-100 AJ131034.1	1 0E-100 & E240788 1		1.0E-100 BF446549.1	11545732 NT	11418123 NT	11417974 NT	7110714 NT	7110714 NT	AB007915.2	7110734 NT	7110734 NT	7657454 NT		4503914 NT		1.0E-101 BF681218.1	1.0E-101 AI221878.1	5921460 NT
Most Similar (Top) Hit BLAST E Value	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100 X94633.1	1.0E-100 X94633.1	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1 05-400	201	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101		1.0E-101	1.0E-101 Z20656.1	1.0E-101	1.0E-101	1.0E-101
Expression Signal	0.84	2.17	2.17	1.81	1.81	0.64	1.35	6.64	1.65	1,55	3.91	3.91	3.07	2.21	1.83	7 80		1.78	4.97	1.31	6.91	0.92	0.92	1.4	6.12	8.12	1.37		1.35	0.85	6.07	1.39	1.44
ORF SEQ ID NO:		36400	36401	L	36688			37708	38300		38405	38406	26241		38812	2882			32063	32033	31935	26342					27023				27243		27849
Exen SEQ ID NO:	22736	22822	22822	23086		1	23815	24075	24619	24619	24715	24715	!_	24962	25108	26192		26037	26341	25500	25778	13315	13315	13887	13904	13904	13971	L	_1	- 1	, ,		14787
Probe SEQ ID NO:	9687	9782	9782	10048	10048	10688	10782	10998	11564	11564	11635	11635	11665	11977	12128	4.9477		12312	12493	12754	13195	62	78	704	722	722	792		878	948	1009	1077	1614

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Table 4
Single Exon Probes Expressed in Placenta

		T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	Т	T	T	Τ	T	Τ	T	T	Ť	Τ	T	Ť	Ť	T
ב.מ. ביינו ביינו ביינו מיינו	Top Hit Descriptor	Homo sapiens butvrophilin, subfamily 2, member 44 (RTN241), mRNA	Homo sepiens KIAA6569 dene croduct (KIAA0589) mRNA	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo sapiens carboxypeptidase A1 (pencreatic) (CPA1) mRNA	RC3-ST0281-160600-0-16-h09 ST0281 Homo sepiens cDNA	Homo sapiens A kinase (PRKA) anchor protein 6 (AKAP6) mRNA	H.sapiens EWS gene, exon 5	Homo sapiens RIBIIR gene (bartial), exon 12	Homo sapiens RIBIIR gene (partial), exon 12	Homo sapiens genomic downstream Rhesus box	Homo sepiens gamma-glutamyltransferase 1 (GGT1) mRNA	601458531F1 NIH MGC 66 Horno sapiens cDNA clone IMAGE 3862086 5	EST377629 MAGE resecuences, MAGI Homo sapiens cDNA	Homo saplens RIBIIR gene (partial), exon 12	Homo sapiens RIBIIR gene (partial), exon 12	Homo sapiens ASH2L gene, complete cds, similar to Droscophila ash2 gene	Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA	Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA	601452067F1 NIH_MGC_66 Homo sapiens cDNA clone INAGE:3855761 6/	601452067F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE:3855761 5'	EST377212 MAGE resequences, MAGI Homo sapiens cDNA	Homo saplens cytoplasmic linker 2 (CYLN2), mRNA	Homo sapiens cytoplasmic linker 2 (CYLN2), mRNA	Homo sapiens carbonic anhydrase VII (CA7), mRNA	Homo sapiens hypothetical protein FLJ22087 (FLJ22087), mRNA	Homo sapiens Kruppel-type zinc finger protein (PEG3) mRNA, atternative solice form 4, partiel eds	Homo sapiens Kruppel-type zho finger protein (PEG3) mRNA, atternative splice form 4, partial ods	wv55f12x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2533487 3'	601109217F1 NIH MGC 16 Hamo sapiens cDNA clone IMAGE:3349901 5'	RC1-BT0313-220700-018-f12 BT0313 Homo saplens cDNA	601121621F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:3345869 5'	601121621F1 NIH_MGC_20 Homo sapiens cDNA clone INAGE:3346869 5'	601764686F1 NIH_MGC_63 Hama sapiens cDNA clone IMAGE:3996837 6'
	Top Hit Database Source	١	Z	LN	IN	EST HUMAN	LN	NT	LN	LN	NT	Z	EST HUMAN	EST HUMAN		Z	LZ	Z	FZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΤŹ	L	L	LZ	ΤN	LZ	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
6	Top Hit Acession No.	5921460 NT	7662183 NT	7662183 NT	4502996 NT	1.0E-101 BE843070.1	5729892 NT		1.0E-101 AJ237744.1	1.0E-101 AJ237744.1	1.0E-101 AJ252312.1	4885270 NT	1.0E-101 BF035327.1	1.0E-101 AW965556.1	1.0E-101 AJ237744.1	1.0E-101 AJ237744.1		5921460 NT	5921460 NT		1.0E-101 BE612554.1	1.0E-101 AW965139.1	7427512 NT	7427512 NT	11430734 NT	11545780 NT	1.0E-101 AF208970.1		1.0E-101 AW008475.1	1.0E-101 BE257384.1	1.0E-101 BF330759.1	1.0E-101 BE275821.1		
	Most Similar (Top) Hit BLAST E Value	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101 X72993.1	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101 A	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101 E	1.0E-101	1.0E-101	1.0E-101 BE275821.1	1.0E-101 BF029174.1
	Expression Signal	1.4	1.57	1.57	2.07	2.78	1.2	4.62	9.27	9.27	20.15	2.97	2.3	1.82	3.69	3.59	3.81	1.14	1.14	9.0	9.0	1.94	4.07	4.07	0.98	1.26	4.22	4.22	7.65	1.99	6.54	0.74	0.74	1.6
	ORF SEQ ID NO:	27850	28028		28247	28373	28680	28917	29025	29026		29467		29654	29025	29026	30142	31239	31240	31336	31337	31611	32645	32646	33398		34019	34020	34192		34459	34696	34697	34843
	Exon SEQ ID NO:	14787	14934	14934	15140	15254	16062	15800	15916	15916	16196	16447	16486	16635	15916	15916	17138	18269	18269	18369	18369	18833	19305	19305	19987	20200	20548	20548	20714	20809	20952	21179	21179	21327
	Probe SEQ ID NO:	1814	1785	1785	1999	2116	2425	2680	2802	2802	3020	3273	3313	3468	3487	3487	3981	5147	5147	5248	5248	5433	6126	6126	6834	7423	7473	7473	7645	7749	7900	8097	8097	8245

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Τορ Ηit Descriptor	hh74g10.y1 NCI_CGAP_GU1 Homo sepiens dDNA clone IMAGE:2988578 5' similer to gb:J03143 INTERFERON-GAMMA RECEPTOR ALPHA CHAIN PRECURSOR (HUMAN);	hh74g10.y1 NCI_CGAP_GU1 Homo sepiens cDNA olone IMAGE:2968578 5' similar to gb:J03143 INTERFERON-GAMMA RECEPTOR ALPHA CHAIN PRECURSOR (HUMAN);	2/29g08.r1 Scares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:471998 5' similar to PIR:S64640 S54640 YD8335.03c protein - yeast;	Homo sapiens mRNA for KIAA1351 protein, partial cds	Homo sapiens mRNA for KIAA1351 protein, partial cds	Human mRNA for pancreatic gamma-glutamyltransferase	Human mRNA for pancreatic gamma-glutamytransfcrase	Homo saplens gamma-glutamyltransferase 1 (GGT1), transcript variant 3, mRNA	601472808T1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3875953 3'	601472808T1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3875953 3'	Homo sapiens potassium ohennel, subfamily K, member 10 (KCNK10), mRNA	Homo sapiens Janus kinase 2 (a protein tyrosine kinase) (JAK2), mRNA	bp77d11.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE::2184309 3' similar to gb:M26326 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	b77411.X1 NCL CGAP_Gas4 Homo sepiens cDNA clone IMAGE:2184309 3' similar to gb:M26326 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	601680825F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:3950887 5'	601680825F1 NIH_MGC_B3 Homo sapiens cDNA clone IMAGE:3950887 5'	Homo sapiens mRNA for KIAA0819 protein, partial cds	RC-BT163-290499-085 BT163 Homo sapiens cDNA	RC-BT163-290489-085 BT163 Homo sepiens cDNA	QV3-HT0480-230200-101-d03 HT0460 Homo saplens cDNA	QV1-DT008B-240200-085-a01 DT0068 Homo saplens cDNA	Homo seplens phosphalidylinositol 4-kinase 230 (pl4K230) mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C103	601108292F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3344326 5'	Homo sapiens down-regulated in adenoma (DRA) mRNA	Human endogenous retroviral DNA (4-1), complete retroviral cegment	Homo saptens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA	601289882F1 NIH_MGC_21 Homo sepiens cDNA clone IMAGE:3629901 5'
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	FN	 LN	LN	ΝŢ	TN	EST_HUMAN	EST_HUMAN	TN	TN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	FA.	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LΝ	FZ	EST_HUMAN	LΝ	TN	NT	LN TN	EST_HUMAN
Top Hit Acession No.	1.0E-101 AW630070.1	1.0E-101 AW630070.1	1.0E-101 AA036800.1		1.0E-101 AB037772.1	1.0E-101 X60069.1		9845492 NT		1.0E-101 BE619667.1	T0863960 NT	11429127 NT	1.0E-101 AI570293.1	1.0E-101 A[570293.1	1.0E-101 BE973648.1	1.0E-101 BE973648.1		1.0E-101 A1908168.1	1.0E-101 A!908168.1	1.0E-101 BE163587.1	1.0E-101 AW939051.1	1.0E-102 AF012872.1	Γ	1.0E-102 BE252470.1	4557534 NT	1.0E-102 M10976.1	11437146 NT	7146	1.0E-102 BE408447.1
Most Similar (Top) Hit BLAST E Value	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101 X60069.1	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101		1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102		
Expression Signal	0.71	0.71	1.1	66.0	66.0	17.36	17.36	19.41	3.36	3.36	0.68	1.94	4.37	4.37	0.83	0.63	1.31	1.85	1.85	2.24	12.79	0.81	4.57	0.61	1.06	1.9	2.05	2.05	355.9
ORF SEQ ID NO:	35132	35133	35832	36167	36168	34619	34620	36209	36593			37264	37289	37300	37428	37427		38748	38749			26284							Ш
Exan SEQ ID NO:	21598	21598	22290			21103		l_	_		23136	23654	23690	23690	23804	23804	24432		25040	1	1	l	L	<u> </u>	13975	L	14453	14453	14603
Probe SEQ ID NO:	8517	8517	9212	9531	9531	9661	9861	9676	9959	6986	10098	10620	10858	10656	10771	10771	11371	12059	12059	12738	12793	40	351	635	796	1141	1297	1297	1450

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Single Exon Probes Expressed in Placenta

_		_	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	Fr	7	-11	*	-11-	71. 100	<del></del>	-	11-01	ersties	*	24.4	1111	P 21	1 11+13
	Top Hit Descriptor	am80c10.x1 Johnston frontal cortex Homo sapiens cDNA clone IMAGE:1539954 3' similar to SW:GG95 HUMAN Q08379 GOLGIN-95.	ат60c10.x1 Johnston frontal cortex Homo sapiens cDNA done IMAGE:15399543' similar to SW:GG95 HUMAN Q08379 GOLGIN-95.	Homo saplens PRKY exon 7	Homo saplens KIAA0187 gene product (KIAA0187), mRNA	AU141005 PLACE4 Homo sapiens cDNA clone PLACE4000650 5	AU141005 PLACE4 Homo sepiens cDNA clone PLACE4000650 5'	Homo sapiens chromosome 21 segment HS21C007	601107843F1 NIH MGC_16 Homo sepiens cDNA clone IMAGE:3343882 5'	y32c04.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:140934 5'	Homo sepiens protein phosphatase-1 regulatory subunit 7 (PPP1R7) gene, exon 7	Homo sapiens HSC54 mRNA for heat shock cognate protein 54, complete cds	Homo sapiens histone deacetylase 7 (HDAC7), mRNA	Ното saplens histone deacetylase 7 (HDAC7), mRNA	Homo saplens heat domain and RLD 2 (HERC2), mRNA	ar62/09.x1 Barslead cdon HPLRB7 Homo sapiens cDNA done IMAGE:2151785 3' similar to TR:Q13137 Q13137 NDP52.	UI-H-Bi3-ali-d-10-0-UI s1 NCI CGAP Sub5 Homo sepiens cDNA clone IMAGE-2736835.3*	601561505F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:3831241 5	601277216F1 NIH MGC 20 Homo saplens cDNA clone IMAGE:3618243 5	Homo sepiens mRNA for KIAA0960 protein, partial cds	Homo sapiens mRNA for Centaurin-alpha2 protein	AV710738 Cu Homo sapiens cDNA clone CuAAKD03 5'	QV3-NT0025-210500-236-h08 NT0025 Homo sapiens cDNA	AV694817 GKC Homo sapiens cDNA clone GKCEEE11 5'	AV694817 GKC Homo saplens cDNA clone GKCEEE11 5'	Homo sapiens mRNA for KIAA0454 protein, partial cds	801283770F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3805538 5	601283770F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3605536 5'	AV755842 BM Homo sapiens cDNA clone BMFAUD08 6'	yd13d07,r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:67021 5'	yd13d07.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:67021 5'	AU124629 NT2RM4 Homo saplens cDNA clone NT2RM4000309 5
	Top Hit Database Source	EST_HUMAN	EST HUMAN	Z	ŁZ	EST_HUMAN	EST_HUMAN	FZ	EST HUMAN	EST_HUMAN	NT TN	LN	L	N	NT	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	FZ	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ā	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN
	Top Hit Acession No.	1.0E-102 AI124669.1	1.0E-102 AI124669.1	Y139321	TN 6781979	1.0E-102 AU141005.1	1.0E-102 AU141005.1	1.0E-102 AL163207.2	1.0E-102 BE251310.1	₹66488.1	1.0E-102 AF067133.1	1.0E-102 AB034951.1	TV05398 NT	TV05398 NT	11433046 NT	1.0E-102 AI459825.1	1.0E-102 AW451643.1	1.0E-102 BE729323.1	1.0E-102 BE386106.1	1.0E-102 AB023177.1	1.0E-102 AJ238994.1	1.0E-102 AV710738.1	1.0E-102 BE763051.1	1.0E-102 AV694817.1	1.0E-102 AV694817.1	1.0E-102 AB007923.1	1.0E-102 BE388063.1	1.0E-102 BE388063.1	1.0E-102 AV 755842.1	F70393.1		1.0E-102 AU124629.1
	Most Similar (Top) Hit BLAST E Value	1.0E-102	1.0E-102	1.0E-102 Y13932.1	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102 R66488.1	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E~102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102 T70393.1	1.0E-102 T70393.1	1.0E-102/
	Expression Signal	1.91	1.91	0.74	1.47	3.73	3.73	1.74	2.67	1.28	1.6	6.87	3.25	3.25	0.81	281	0.7	0.91	1.02	1.5	8.03	2.61	3.85	1.71	1.71	0.81	1.2	1.2	0.84	2	2	3.11
	ORF SEQ ID NO:	28642	28643			29387					31704				32414	32966				33977				35301	35302	35419				36155		36237
	SEQ ID NO:	15514	16514	16266	H					ı				19094	_ [	19591	20090		20396	20506	20584	20858	21499	21771	21771	21881	22210	22210	22538	22587	22587	22666
	Probe SEQ ID NO:	2383	2383	3090	3133	3203	3203	4347	4533	6224	5487	5867	5905	5905	5912	6422	7227	7286	7314	7429	7510	7802	8418	8691	8691	8802	9131	9131	9481	9522	9522	9611

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Single Exon Probes Expressed in Placenta

					יוטיווס	EXOLI PIODE	Single Exon Probes Expressed in Placenta
Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
10593	L		0.64	1.0E-102	1.0E-102 AF153715.1	ĻΝ	Homo sapiens phospholipid scramblase 1 gene, exon 1 and 5' flanking region
10647			79.0	1.0E-102	11425430 NT	Ę	Homo sapiens myomesin (M-protein) 2 (165kD) (MYOM2), mRNA
10647				1.0E-102	11425430 NT	FZ	Homo sapiens myomesin (M-protein) 2 (165kD) (MYOMZ), mRNA
10687			3.26	1.0E-102		EST_HUMAN	RC-BT074-260499-014 BT074 Homo saplens cDNA
10687	23720	37326		1.0E-102	1.0E-102 AI905037.1	EST_HUMAN	RC-BT074-260499-014 BT074 Homo sapiens cDNA
10748	23781	37394	1.5	1.0E-102	1.0E-102 AA970786.1	EST HUMAN	on67h04.s1 Soarss_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1560823 3' similar to SW:CAV2_HUMAN P51686 CAVEOLIN-2_[1];
11323			1.37	1.0E-102	1.0E-102 BE897468.1	EST_HUMAN	601439392F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3924168 5'
11327				1.0E-102	4507822 NT	LN	Homo sapiens UDP glycosyltransferase 2 femily, polypeptide B11 (UGT2B11) mRNA
11327			2.44	1.0E-102	4507822 NT	본	Homo sapiens UDP glycosyltransferase 2 family, polypeptide B11 (UGT2811) mRNA
11600	24653		1.47	1.0E-102	1.0E-102 AA868675.1	EST_HUMAN	ak49h10.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1409347 3'
11690	24688	38378	2.47	1.0E-102	1.0E-102 BF359243.1	EST_HUMAN	RC8-ET0072-150600-011-F01 ET0072 Homo sapiens cDNA
12009	24094	38699	2.83	1.0E-102 U41302.1		TN	Human chromosome 16 creatine transporter (SLC6A8) and (CDM) paralogous genes, complete cds
12182	25142		5.69	1.0E-102	1.0E-102 AL163280.2	NT	Homo sapiens chromosome 21 segment HS21C080
12775		32000	5.67	1.0E-102	1.0E-102 AW300862.1	EST_HUMAN	Xk07c12x1 NCI_CGAP_Co20 Homo sapiens dDNA clone IMAGE:2686038 3'
12831	25553	32015	1.25	1.0E-102	11419159 NT	Ę	Homo sepiens myeloid/lymphold or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (MLLT4), mRNA
7.1	13308		0.85	1.0E-103	1.0E-103 BE908158.1	EST_HUMAN	601500405F1 NIH_MGC_70 Homo sapiens oDNA clone IMAGE:3902305 5'
71		26332	0.85	1.0E-103	1.0E-103 BE908158.1	EST_HUMAN	601500405F1 NIH_MGC_70 Hano sapiens cDNA clane IMAGE:3902305 5'
102				1.0E-103	1.0E-103 D87078.2	TN	Homo saplens mRNA for KIAA0235 protein, partial ods
213		26466		1.0E-103	5453793 NT	N⊤	Homo sapiens nucleoler protein (KKE/D repeat) (NOP56) mRNA
1004			74.34	1.0E-103		NT	Homo sapiens mRNA for pregnancy-associated plasma protein-E (PAPPE gene)
1272		27500	7.08	1.0E-103		EST_HUMAN	801485388F1 NIH_MGC_69 Homo sapiens cDNA clone IMAGE:3887876 5/
1626			3.51	1.0E-103	1.0E-103 AF012872.1	NT	Homo sapiens phosphatdylinostfol 4-kinase 230 (pi4K230) mRNA, complete cds
1964			1.02	1.0E-103	7667692 NT	NT	Homo saplens smg GDS-ASSOCIATED PROTEIN (SMAP), mRNA
2031	15172	28280	0.95	1.0E-103	4502428 NT	LN	Homo sepiens bone morphogenetic protein 8 (osteogenic protein 2) (BMP8) mRNA
2031			0.95	1.0E-103	4502428 NT	トス	Homo saplens bone morphogenetic protein 8 (osteogenic protein 2) (BMP8) mRNA
2379			1.95	1.0E-103		EST_HUMAN	AU134991 PLACE1 Homo expiens cDNA clone PLACE1000965 5'
2623	15548	28772	1.84	1.0E-103	1.0E-103 AF060568.1	L	Homo saplens promyelocytic leukemia zinc finger protein (PLZF) gene, complete cds
2685		28921	-	1.0E-103 N32770.1		EST_HUMAN	yw91d08.s1 Scares_placenta_8to9weeks_2NbHP8tb9W Home sapiens cDNA clone IMAGE:259599 3'
3137			2.76	1.0E-103	Γ	Г	601573113F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3834315 5'
3467	16834	29653	5.33	1.0E-103	1.0E-103 AW 298245.1		UI-H-BW0-ajt-h-11-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2733165 3'

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1					.0.		
0)	Exen SEQ (D NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
	16691	29700			1.0E-103 AB040892.1	TN	Homo sapiens mRNA for KIAA1459 protein, partial cds
	17010		5.46		1.0E-103 AF023861.1	LN	Macaca mulatta cyclophilin A mRNA, complete cds
	17053	30053	6.0		1.0E-103 AA485653.1	EST HUMAN	lab10d12.s1 Stratagens lung (#837210) Homo sapiens cDNA clone IMAGE:840407.3' similar to contains element LTR10 repetitive element :
	17092				11430878 NT	N.	Homo sapiens neuropilin 1 (NRP1), mRNA
	17264	L		1.0E-103 T23683.1	T23683.1	EST HUMAN	seq340 b4HB3MA-Cot109+10-Bio Homo sapiens cDNA done b4HB3MA-Cot109+10-Bio-7 31
	18438		0.63	1.0E-103	1.0E-103 AA451816.1	EST_HUMAN	2x43b04.r1 Soares, total fetus, Nb2HF8, 9w Homo sapiens cDNA clone IMAGE:789199 5' similar to TR:G292352 G292352 COLLAGEN CHAIN RH;
. 1	19238	32563	6.0	1.0E-103	1.0E-103 BF689527.1	EST HUMAN	602186023F1 NIH_MGC_45 Homo sapiens cDNA clone IMAGE:4310573 5
	19245	32571	1.67	1.0E-103	1.0E-103 AF179995.1	LN.	Homo saplens septin 2 (SEP2) mRNA, partial cds
	10568		0.8	1.0E-103	11435053 NT	LN	Homo saplens KIAA0440 protein (KIAA0440), mRNA
. 1	19566	32927	0.8	1.05-103	11435053 NT	FZ.	Homo sapiens KIAA0440 protein (KIAA0440), mRNA
	19748	33130	0.84		1.0E-103 AW954566.1	EST_HUMAN	EST366636 MAGE resequences, MAGC Homo sapiens cONA
	19748	33131	0.84		1.0E-103 AW954566.1	EST_HUMAN	EST366636 MAGE resequences, MAGC Homo sapiens cDNA
	25831	33273	1.15		_	EST_HUMAN	a26e03.s1 Soares_testis_NHT Homo saplens cDNA clone 1391452.31
. 1	19924	33318	0.91	1.0E-103	1.0E-103 AF063490.1	L	Homo sapiens glycine receptor alpha 2 subunit (GLRA2) gene, exon 4
	20011	33422	1.68		1.0E-103 AIS90071.1	EST_HUMAN	tm58b05.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2162289 3' similar to TR:Q13769 Q13769 ANONYMOUS. ;
	20011	33423	1.86	<u> </u>	1.0E-103 AIS90071.1	EST HUMAN	Im58b05.X1 NCI_CGAP_Bin25 Homo saplens cDNA clone IMAGE:2162289 3' similar to TR:Q13769 Q13789 ANONYMOUS.;
	18506	31521	177	1.0F-103	5032280	l- Z	Homo sapiens dystrophin (muscular dystrophy, Duchenna and Becker types), includes DXS142, DXS164, DXS206, DXS230, DXS239, DXS289, DXS270, DXS272 (DMD), transcript variant Dp427m, mRNA
		l					Homo saplens dystrophin (muscular dystrophy, Duchenne and Beoker types), includes DXS142, DXS164, Process Proc
	18506	31522	1.77	1.0E-103	6032282 NT	L'N	PASSOC, DASSOC, DASSOS, DASSOS, DASSOS, DASSOC, DASSOCIA (DIVID), Italianiania upazimi, impazimi, propertimi, impazimi, manana m
•	18535		1.04	1,0E-103	11431100 NT	N	Homo sapiens ribosomal protein L3-like (RPL3L), mRNA
7178	20310		0.98		1.0E-103 AJ289880.1	۲	Homo sapiens KIAA0851 gene (partial), XT3 gene and LZTFL1 gene
	20454	33919	1.88		1,0E-103 AW985778.1	EST_HUMAN	EST377849 MAGE resequences, MAGI Homo saplens cDNA
	20563	34032	3.6		1.0E-103 BE748158.1	EST_HUMAN	601571537F1 NIH_MGC_55 Homo paplens cDNA clone IMAGE:3838545 5'
	21001	34511	4		1.0E-103 AI590071.1	EST_HUMAN	Im58b05.x1 NCI_CGAP_Bm25 Homo saplens cDNA clone IMAGE::2162289 3' similar to TR:Q13769 EQ13769 ANONYMOUS. :
7951	21001	34512	4		1.0E-103 AIS90071.1	EST_HUMAN	Im58b05.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2162289 3' similar to TR:Q13769 Q13769 ANONYMOUS.
ż							

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Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
8484				1.0E-103	1.0E-103 T31080.1	EST_HUMAN	EST27193 Human Brain Homo sapiens cDNA 5' end similar to None
8822	21901	35440		1.0E-103	1.0E-103 AU140344.1	EST_HUMAN	AU140344 PLACE2 Homo sapiens aDNA clone PLACE2000374 5'
8822			1.05	1.0E-103	1.0E-103 AU140344.1	EST_HUMAN	AU140344 PLAGE2 Homo saplens cDNA clone PLAGE2000374 5'
8900	21979	35518	1.34	1.0E-103	1.0E-103 BF109244.1	EST_HUMAN	7100e03.x1 Soares, NSF, F8, 9W_OT_PA_P_S1 Homo septiens cDNA clone IMAGE:3525984.3' similar to SW:PTNF_HUMAN Q16825 PROTEIN-TYROSINE PHOSPHATASE D1;
9307	L		3.18	1.0E-103	6005921 NT	LN PA	Home sapiens triple functional domain (PTPRF interacting) (TRIO), mRNA
9307	22383	32832	3.18	1.0E-103	LN 1269099	ΤN	Homo sapiens triple functional domain (PTPRF Interacting) (TRIO), mRNA
9349			26.0	1.0E-103	1.0E-103 AA581086.1	EST_HUMAN	nd13c02.s1 NCI_CGAP_Ov1 Homo saplens cDNA clone IMAGE:800162.3' similar to gb:L02426.26S PROTEASE SUBUNIT 4 (HUMAN);
10263			2.04	1.0E-103 Z37976.1	237976.1	FZ.	H. sapiens mRNA for latent transforming growth factor-beta binding protein (LTBP-2)
10304	23339		2.07	1.0E-103	1.0E-103 AW963676.1	EST_HUMAN	EST375749 MAGE resequences, MAGH Homo sapiens cDNA
10443	ĺ	37083	10.79	1.0E-103	1.0E-103 AI878956.1	EST_HUMAN	au51g04.y1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2518328 5' similar to TR:O15046 O15046 KIAA0338 ;
10878	23963	37591	1.52	1.0E-103	1.0E-103 BE549706.1	EST_HUMAN	7b41f03.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3230813 3' similar to gb;M69043 MAJOR HISTOCOMPATIBILITY COMPLEX ENHANCER-BINDING PROTEIN (HUMAN);
10971	24051	37684	9.6	1.0E-103	1.0E-103 AI792759.1	EST HUMAN	ol02d06.y5 NCL_CGAP_Lu6 Homo sapiens cDNA clone IMAGE:1622283 6' similar to TR:Q62084 Q62084 PHOSPHOLIPASE C NEIGHBORING;
11072	24147	37785	2.45	1.0E-103	11424061 NT	LN.	Homo sapiens AXL receptor tyrosine kinase (AXL), mRNA
11072		37786	2.45	1.0E-103	11424061 NT	TN	Homo sapiens AXL receptor tyrosine kinase (AXL), mRNA
11083		37794	2.4	1.0E-103	1.0E-103]AF149773.1	NT	Homo saptens NOD1 protein (NOD1) gene, exons 1, 2, and 3
11083				1.0E-103	1.0E-103 AF149773.1	NT	Homo seplens NOD1 protein (NOD1) gene, exons 1, 2, and 3
11656			2.67	1.0E-103	1.0E-103 AU136283.1	EST_HUMAN	AU136283 PLACE1 Hama sepiens cDNA clane PLACE1003923 5
11731		37542	4.1	1.0E-103	1.0E-103 L43610.1	NT	Homo sapiens polycystic kldney disease (PKD1) gene, exons 27-30
11968	24953		1.71	1.0E-103	1.0E-103 AB024759.1	NT	Hamo sepiens TSA305 gene, exan 16
12044	25025	38730	2.28	1.0E-103	1.0E-103 BE644611.1	EST_HUMAN	7e68a10.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo saplens cDNA clone IMAGE:3287610.3' similar to postation contains MER29.t3 MER29 repetitive element;
40470				10,100	A Footseen a	FJ	Homo saplens mannosidase, beta A, Iysosomal (MANBA) gene, and ublquitin-conjugating enzyme E2D 3
0/170	I		4.0	1.00-103	1.0E-105 Ar 224009.1	Z	(Contrary) yourse, conspect cos
EUSZI.	20102			1,05-103	N 18292611		none septems hypothetical protein PLJZ0434 (PLJZ0454), mKNA
12414	.			1.0E-103	1.0E-103 AB011369.1	LN	Homo supiens gene for AF-6, complete cds
243				1.0E-104	1.0E-104 AL037549.3		DKFZp564H1072_r1 664 (synonym: hfbr2) Homo sapiens cDNA clone DKFZp564H1072 5
243		26495		1.0E-104	1.0E-104 AL037549.3	EST_HUMAN	DKFZp564H1072_11 564 (synonym: hfbr2) Homo saplens cDNA cione DKFZp564H1072 5
1937	15080	28182	1,92	1.0E-104	4502428 NT	LN	Homo sapiens bone morphogenetic protein 8 (ostaogenic protein 2) (BMP8) mRNA

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Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Tap Hit Descriptor
2267	15400	28528	33,29		1.0E-104 AA132975.1	EST_HUMAN	Zo22c06.s1 Stratagens colon (#837204) Homo sapiens cDNA clone IMAGE;587628 3' similar to gb:Z14116_ma1 CD59 GLYCOPROTEIN PRECURSOR (HUMAN);
2277	15409	28540	4.55	1.0E-104	1.0E-104 BE744628.1	EST_HUMAN	601577460F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3926438 5'
2442		28698	9.73	1.0E-104	1.0E-104 BF334221.1	EST_HUMAN	RC1-CT0249-110900-214-f12 CT0249 Homo sepiens cDNA
2442		28699	9.73	1.0E-104	1.0E-104 BF334221.1	EST_HUMAN	RC1-CT0249-110900-214-112 CT0249 Homo sapiens cDNA
2506		28753	2	1.0E-104	5031570 NT	N	Homo sapiens ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mRNA
2934		29125	17.99	1.0E-104	1.0E-104 M34671.1	M	Human lymphocytic antigen CD59/MEM43 mRNA, complete cds
2983	16159		2.15	1.0E-104	1.0E-104 Y11151.1	닏	H.saplens gene encoding phenylpyruvate tautomerase II
3337		29526	66.0	1.0E-104	1.0E-104 AU133926.1	EST_HUMAN	AU133926 OVARC1 Homo sapiens cDNA clone OVARC1000938 5'
3478	1		2.33	1.0E-104		EST_HUMAN	EST21659 Adrenal gland tumor Homo sapiens cDNA 5' end
3690		29860	0.65	1.0E-104	1.0E-104 AB033102.1	占	Homo sapiens mRNA for KIAA1276 protein, partial cds
3690	16852	29861	0.65	1.0E-104	1.0E-104 AB0331021	님	Homo sapiens mRNA for KiAA1276 protein, partial cds
4053		30219	17.0	1.0E-104	1.0E-104 AB032998.1	NT.	Homo sapiens mRNA for KIAA1172 protein, partial cds
4248	17394	30383	0.71	1.0E-104	1.0E-104 F11745.1	EST_HUMAN	HSC31A071 normalized infant brain cDNA Homo sapiene cDNA clone c-31a07
4496		30618	33.95	1.0E-104	1.0E-104 X02761.1	LN.	Human mRNA for fibronectin (FN precursor)
4732		30849	1.2	1.0E-104	1.0E-104 AF231920.1	LN	Homo sapiens chromosome 21 unknown mRNA
4732		30850	1.2	1.0E-104	1.0E-104 AF231920.1	TN	Homo sapiens chromosome 21 unknown mRNA
6061	19243	32567	1.05	1.0E-104	1.0E-104 U43379.1	TN	Human Down Syndrome region of chromosome 21 DNA
6061			1.05	1.0E-104 U43379.1	U43379.1	LN	Human Down Syndrome region of chromosome 21 DNA
6108	19288	32623	0.93	1.0E-104	1.0E-104 AB017332.1	TN	Homo sapiens aik3 mRNA for Aurora/ip11-related kinase 3, complete cds
6596	19756	33142	8.5	1.0E-104	1.0E-104 AI768797.1	EST HUMAN	wj03b12x1 NCI_CGAP_Kid12 Homo sapiens cDNA done IMAGE;2401727 3' similar to TR:Q14145 Q14145 KIAA0132 PROTEIN :contains element LTR7 repetitive element :
	İ						wj03b12x1 NCI_CGAP_Kd12 Homo sapiens cDNA done IMAGE:2401727 3' similar to TR:Q14145 Q14145
6596	- (		8.5	1.0E-104	AI768797	EST_HUMAN	KIAA0132 PROTEIN, ;contains element LTR7 repetitive element;
6786	- 1		0.74	1.0E-104	7706512 NT	LΝ	Homo sapiens PDZ domain-containing guanine nucleotide exchange factor I (LOC51735), mRNA
6942	20255	33692	3.39	1.0E-104	1.0E-104 BE314182.1	EST_HUMAN	801150451F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3503220 5'
6942			3.39	1.0E-104	1.0E-104 BE314182.1	EST_HUMAN	801150451F1 NIH_MGC_19 Hano sapiens cDNA clone IMAGE:3503220 5'
7373	20452	33917	2.01	1.0E-104	11425572 NT	ĽN	Homo sapiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA
8796			0.87	1.0E-104	1.0E-104 BF509244.1	EST_HUMAN	UI-H-BI4-aow-b-09-0-UI.s1 NCI_CGAP_Sub8 Homo saplens cDNA clone IMAGE:3086176 3'
8368			2.41	1.0E-104	1.0E-104 BF448230.1	EST_HUMAN	nad16g11.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3365948 3'
9463	1	36082	0.46	1.0E-104	1.0E-104 AA682308.1	EST_HUMAN	zj08b06.s1 Soeres_fetal_liver_sploon_1NFLS_S1 Homo espiens cDNA clone IMAGE:462897 3'
9484	- 1		1.03	1.0E-104	1.0E-104 T74219.1	EST_HUMAN	yc83f02.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:22440 5'
9515	22580	36146	5	1.0E-104	1.0E-104 AF091395.1	NT	Homo saplens Trio isoform mRNA, complete cds
9515	- [	36147		1.0E-104	1.0E-104 AF091395.1	Ľ.	Homo sapiens Trio isoform mRNA, complete cds

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	Тор Hit Descriptor	IL3-HT0619-080900-249-F07 HT0619 Hamo sapiens aDNA	IL3.HT0619-080900-249-F07 HT0619 Homo sapiens cDNA	XXT6402.XI Soares, NFL_T_GBC_S1 Homo septens cDNA clone IMAGE:2603523 3' similar to TR:Q24116   Q24116 HYPOTHETICAL 29.4 KD PROTEIN.;	xd76d02.x1 Soares_NFL_T_GBC_S1 Homo eaplens cDNA clone IMAGE:2603523 3' similar to TR:Q24116 Q24116 HYPOTHETICAL 29.4 KD PROTEIN ;	Homo sapiens histone acetyltransferase MORF mRNA, complete cds	601581503F1 NIH_MGC_7 Hamo sepiens aDNA clane IMAGE:3935977 5'	601581503F1 NIH_MGC_7 Hamo sapiens aDNA clane IMAGE:3935977 5	AV728070 HTC Homo sapiens cDNA clone HTCBYA07 5'	AU130765 NT2RP3 Homo sapiens cDNA clone NT2RP3001398 6'	oo06a10.s1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1565370 3'	oo08a10.s1 Soares_NFL_T_GBC_S1 Homo saplens cDNA done IMAGE:1666370 3'	Human beta4-integrin (ITGB4) gene, exons 19,20,21,22,23,24 and 25	Homo sapiens KIAA0649 gene product (KIAA0649), mRNA	RC0-HT0885-310700-021-b09 HT0885 Home capiens cDNA	RC0-HT0885-310700-021-b09 HT0885 Homo sapiens cDNA	602141215F1 NIH_MGC_46 Homo saplens cDNA clone IMAGE:4302607 5°.	Homo sepiens ribosomal protein S6 kinase, 90kD, polypeptide 5 (RPS6KA5), mRNA	801312181F1 NIH_MGC_44 Homo sapiens cDNA done IMAGE:3658676 5	Homo sapiens amyldid beta (A4) precursor protein (protease nextn-ll, Alzheimer disease) (APP), mRNA	Homo sapiens Mets1 (mouse) homolog (MEIS1) mRNA	Homo sepiens potassium channel subunit (HERG-3) mRNA, complete cds	Homo sapiens potassium channel subunit (HERG-3) mRNA, complete ods	Homo sapiens chromosome 21 segment HS21 C080	Human mRNA for KIAA0128 gene, partial cds	EST20609 Spieen i Homo sapiens cDNA 6' end similar to autoimmune antigen Ku, p70/p80 subunit	601434491F1 NIH_MGC_72 Hamo saplens cDNA clone IMAGE:3919511 51	no10405.s1 NCI_CGAP_Phe1 Homo septens cDNA clone IMAGE:1100265 3'	Homo sapiens 969 kb contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	Homo saplens bromodomain adjacent to zinc finger domain, 2B (BAZ2B), mRNA	Homo sapiens bromodomain adjacent to zinc finger domain, 28 (BAZ2B), mRNA	EST373761 MAGE resequences, MAGG Homo sapiens cDNA
	Top Hit Database Source	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	Z-L	EST HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	TN	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	TN	EST HUMAN	Ę	ΙΝ	TN	TN	IN	LN LN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΙN	ΤN	NT	EST_HUMAN
)	Top Hit Acession No.	1.0E-104 BF352841.1	1.0E-104 BF352841.1	1.0E-104 AW103848.1	1.0E-104 AW103848.1	1.0E-104 AF113514.1	1.0E-104 BE791713.1	1.0E-104 BE791713.1	1.0E-104 AV728070.1	1.0E-104 AU130765.1	1.0E-104 AAB31321.1	1.0E-104 AA931321.1	J86535.1	11427757 NT	1.0E-104 BE720191.1	1.0E-104 BE720191.1	1.0E-104 BF684288.1	11434729 NT	1.0E-104 BE393892.1	4502169 NT	4505150 NT	1.0E-105 AF032897.1	1.0E-105 AF032897.1	1.0E-105 AL163280.2	D50918.1	1.0E-105 AA318369.1	1.0E-106 BE891766.1	1.0E-105 AA584808.1	1.0E-105 AJ229041.1	7304922 NT	7304922 NT	1.0E-105 AW961688.1
	Most Similar (Top) Hit BLAST E Value	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104 U66635.1	1.0E-104	1.0E-104	1.0E-104		1.0E-104		1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105 D50918.1	1.0E-105	1.0E-106	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105
	Expression Signal	4.14	4.14	0.92	0.92	0.49	3.15	3.15	1.49	4.47	0.54	0.54	6.4	0.74	44.86	44.86	4.1	48.12	1.32	2.67	69.9	2.61	2.51	10.24	239	3.08	1.18	0.98	2,79	0.86	98.0	2.23
	ORF SEQ ID NO:		34598	36589		36787	. 36937		L								38350			28541	26238	26815	26816			L						30350
	SEO ID NO:	21084	21084	22994	Į .	23180	ļ	23333	23645	23691	23790	23790	23807	23824	24632	24632	24863	25062	26702	15981	13238	13798	13796	15011	15122	1	15529	,	16247		1 1	17362
	Probe SEQ ID NO:	9641	9641	9966	8855	10163	10298	10298	10611	10857	10757	10757	10774	10791	11577	11577	11611	12082	13073	289	438	607	607	1865	1979	2263	2298	2784	3071	3432	3432	4213

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Top Hit Descriptor	Homo sapiens chromosome 21 segment HS21C008	Homo sapiens mRNA for KIAA0866 protein, complete cds	Homo sapiens E6-AP ublquitin-protein ligase (UBE3A) gene, exon 2	Homo sapiens Retina-derived POU-domain factor-1 (RPF-1), mRNA	601901028F1 NIH_MGC_19 Homo saplens cDNA clone IMAGE:4130334 5	601901028F1 NIH_MGC_19 Homo saplens cDNA clone IMAGE:4130334 5'	Homo sapiens GTPase activating protein-like (GAPL), mRNA	Homo sapiens GTPase activating protein-like (GAPL), mRNA	EST363689 MAGE resequences, MAGB Homo sepiens cDNA	601677279F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3960019 51	Human mRNA for dbl proto-oncogene	EST02975 Fetal brain, Stratagene (cat#036206) Homo sapiens cDNA clone HFBCR32	ws50c10.x1 NCL_CGAP_Bm25 Homo septens cDNA clone IMAGE:2500628 3' similar to SW.ACSA_PENCH P36833 ACETYL-COENZYME A SYNTHETASE:	RC1-CN0008-070100-011-e05 CN0008 Homo saplens cDNA	UI-H-BI0p-abi-b-12-0-UI.s1 NCI_CGAP_Sub2 Homo sapiens cDNA done IMAGE:2711782 3'	QV2-OT0062-140300-083-d09 OT0062 Homo sapiens cDNA	QV2-OT0062-140300-083-d09 OT0062 Homo seplens cDNA	601443755F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3847884 5	601443755F1 NIH_MGC_65 Homo saplens cDNA clone IMAGE:3847884 5	Homo sapiens SMARCA4 isoform (SMARCA4) gene, complete cds, alternatively spliced	Homo sapiens COL4A8 gane for a6(IV) collagen, exon 31	Homo saplens Ran binding protein 11 (LOC\$1194), mRNA	wv74f07.x1 Soares_thymus_NHFTh Homo sapiens cDNA clone IMAGE:2535301 3' similar to TR:P97892 P87892 PROTEASE ;	7018c10x1 NC_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:3574291 3' similar to TR.P97680 P97680	RIN1.;	Homo saplens attractin precursor (ATRN) gene, exon 8	UI-HF-BNO-akt-g-07-0-UI.r/ NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3076349 5'	tq78c01.x1 NCL_CGAP_Ut1 Home sapiens cDNA clone IMAGE:22150083'	EST377629 MAGE resequences, MAGI Homo sapiens cDNA	Human dihydrofolate reductase pseudogene (psl-hd1)	Human dihydrofolate reductase pseudogene (psl-hd1)	Homo sapiens soluble neuropilin-1 mRNA, complete cds
Top Hit Database Source	L.	NT	Ę	Z	EST_HUMAN	EST_HUMAN	NT	LN	EST_HUMAN	EST_HUMAN	Ę	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN	NT	LΝ	EST_HUMAN		EST_HUMAN	۲N	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	LN	NT
Top Hit Acession No.	1.0E-105 AL 163208.2	1.0E-105 AB020673.1	1.0E-105 AF016704.1	11420134 NT	1.0E-105 BF314302.1	1.0E-105 BF314302,1	11419196 NT	11419196 NT	1.0E-105 AW951634.1	1.0E-105 BE902618.1			1.0E-105 AW007194.1	1.0E-105 AW840817.1	1.0E-105 AW016879.1	1.0E-105 AW882372.1	1.0E-105 AW882372.1	1.0E-105 BE887793.1	1.0E-105 BE867793.1	1.0E-105 AF254822.1	D63548.1	7705936 NT	1.0E-105 AW027554.1		1.0E-105 BF430921.1	1.0E-105 AF218896.1	1.0E-106 AW 503208.1	1.0E-106 AIS65065.1	1.0E-108 AW96556.1	J00145.1	J00145.1	1.0E-106 AF145712.1
Most Similar (Top) Hit BLAST E Value	1.0E-105	1.0E-105	1.0E-105 /	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105 X12556.1	1.0E-105 T05087.1	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105	1.0E-105 D63548.1	1.0E-105	1.0E-105		1.0E-105	1.0E-105	1.0E-106	1.05-106	1.05-106	1.0E-106 J00146.1	1,0E-108 J00146.1	1.0E-106
Expression Signal	5.34	1.08	1.18	1.12	1.44	1.44	3.78	3.78	0.72	0.72	0.93	11.05	1.63	0.82	2.51	0.83	0.83	0.75	0.75	4.82	1.42	1.85	2.52		1.48	1.3	0.88	5.14	1.89	0.8	1.13	8.84
ORF SEQ ID NO:		31344	31623			33514	31458	31459		33986	34647		35211					36333				38283	38572		38659							27787
Exan SEQ ID NO:	18181	18378	18645	18711		20098	18547	18547	20300	20513	21126	21299	21673					_		24243		24614	24875			25091	ш		L			14707
Probe SEQ ID NO:	5053	5259	5445	5513	7045	7045	7121	7121	7167	7436	8043	8217	8592	9128	9250	9404	9404	9767	9767	11173	11506	11559	11887		11972	12111	155	210	999	620	621	1554

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				!	Thine .	STATE FINDS	Single Exon Probes Expressed in Placenta
Probe SEQ ID NO:	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
1736	14885	27978	7.83	L	1.0E-106 U48724.1	LZ	Human epidermal growth factor receptor (EGFR) precursor-mRNA, exon 4, partial cds
1757	l		1.33	L	1.0E-106 U04510.1	Z	Hono sapiens type IV collagen alpha 5 chain (COL4A5) gene, exon 41
1846	14992	28093	5.51	1.0E-106	1.0E-106 AA527448.1	EST HUMAN	ng41c05.s1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:837352 3' sImilar to contains element LTR3 repetitive element;
	١						ng41c05.s1 NCI_CGAP_Co3 Homo saplens cDNA clone IMAGE-937352 3' similar to contains element
1846	14892		5.61		1.0E-106 AA527446.1	EST_HUMAN	LTR3 repetitive element ;
2191	L	28451	1.94		1.0E-106 BE144286.1	EST_HUMAN	MRO-HT0165-140200-008-410 HT0165 Homo sapiens cDNA
2391	16522		3.62	1.0E-106	4504184 NT	NT	Homo sapiens glutathione S-transferase theta 1 (GSTT1), mRNA
	L			_			Homo sapiens X-linked anhidrottic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat
2574			2.19		-	L.V.	regions
2667			1.93	1.0E-106		LN	Homo sapiens sperm membrane protein BS-63 mRNA, complete cds
2669	15790	28908	2.01	1.0E-106	1.0E-106 BE260201.1	EST_HUMAN	601149783F1 NIH_MGC_19 Home saplens cDNA clone IMAGE:3502461 67
2815	15929	29041	8.05		1.0E-106 AI276528.1	EST HUMAN	qi76h10.x1 Soares_NhHMPu_S1 Homo sepiens cDNA clone IMAGE:1978307 3'
2886	14817		1.84	1.0E-106		NT	Homo saplens glutathione S-transferase theta 1 (GSTT1), mRNA
2888	14617	27701	1.84	1.0E-106	4504184 NT	L	Homo sapiens glutathione S-transferase theta 1 (GSTT1), mRNA
2839	16116		1.18		1.0E-108 BE384296.1	EST HUMAN	801272875F1 NIH_MGC_20 Homo saptens oDNA olone IMAGE:3613818 6'
3007	16182	29204				L	Homo sapiens mRNA for KIAA1328 protein, partial ods
3007	1				1.0E-106 AB037747.1	NT	Homo sapiens mRNA for KIAA1328 protein, partial ode
3248	16422	29438	2.5	1.0E-108		NT	Homo sapiens hypothetical protein FLJ11273 (FLJ11273), mRNA
3248	16422			1.0E-106	8922985 NT	NT	Homo septens hypothetical protein FLJ11273 (FLJ11273), mRNA
3461	18828		1.04		1.0E-106 AB008681.1	IN	Homo saplens gene for activin receptor type IIB, complete cds
3527	16692		1.07	1.0E-106	1.0E-106/AB033104.1	NT	Homo sapiens mRNA for KIAA1278 protein, partial cds
3527	16692	29702	1.07	1.05-108	1.0E-108 AB033104.1	TN	Homo sapiens mRNA for KIAA1278 protein, partial ods
4149	17301	30293	9.2		1.0E-106 AW974650.1	EST_HUMAN	EST386876 MAGE resequences, MAGN Homo sepiens cDNA
4149	17301	30294	9.2	!	1.0E-106 AW974650.1	EST_HUMAN	EST386875 MAGE resequences, MAGN Homo sapiens cDNA
4723	17858	30840	2.27		1.0E-108 BE144286.1	EST_HUMAN	MR0-HT0165-140200-008-d10 HT0165 Homo sapiens cDNA
5485	18684	31701	2.95		1.0E-106 AA781155.1	EST HUMAN	aj24609.st Scares_tests_NHT Homo sapiens cDNA clone 1391225 3' s(milar to gb:X12433 PROTE/N PHPS1-2 (HUMAN);
5976	1		0.05			EST_HUMAN	AU130113 NT2RP3 Homo saplans cDNA clone NT2RP3000274 5'
5976	19161	32481	36.0			EST_HUMAN	AU130113 NT2RP3 Homo sapiens cDNA done NT2RP3000274 5'
6028			19.0	1.0E-108		EST_HUMAN	Zw28d12.s1 Soares ovary tumor NbHOT Homo sapiens cDNA clone IMAGE:7708153'
9116	19286		1	1.0E-106	1.0E-106 AU143428.1	EST_HUMAN	AU143428 Y78AA1 Homo sapiens cDNA clone Y70AA1001912 5
6116	19296	32632			1.0E-108 AU143428.1		AU143428 Y79AA1 Homo sapiens cDNA clons Y79AA1001912 5
6227	19402		8.39		1.0E-108 BF679574.1	EST HUMAN	602154012F1 NIH_MGC_83 Hamo saplens cDNA done IMAGE:4295067 5'

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		Т	Т	Т	Т	T	T	T	Т	Т	T	Т	Т	1	Т	Т	$\overline{}$	T	Т	Т	т .		T -	T	_	1	~	Ť	+-
	lop nii Descriptor	601439670F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3924641 5'	601439670F1 N!H_MGC_72 Homo saplens cDNA clone IMAGE:3924641 5'	Homo sapiens xylosyltransferase II (XT2), mRNA	Homo sapiens xylosyltransferase II (XT2), mRNA	2e72e07.s1 Stratagene schizb brain S11 Homo saplens cDNA clone IMAGE:969732 3' similar to gb:X65873 kinnesin Leany chann (uli mann).	Homo sapiens XPMC2 protein (1 OC57409) mRNA	601105736F1 NIH MGC 15 Homo sapiens cDNA clone IMAGE: 2988345 5/	Homo sapiens sorting nextr 11 (SNX11), mRNA	Homo sapiens sorting nextr 11 (SNX/1), mRNA	AU116850 HEMBA1 Homo sapiens cDNA clone HEMBA1000129 5'	601594331F1 NIH_MGC 9 Homo saplens cDNA clone IMAGE:3948463 5	601594331F1 NIH_MGC_9 Homo saplens oDNA clane IMAGE:3948463 5'	ar68e07.x1 Barstead aorta HPLRB6 Homo saplens cDNA clone IMAGE:2127732 3' similar to gb:X06233 CALGRANTI IN B (HI IMAN)	1601282717F1 NIH MGC 44 Homo sapiens cDNA clone IMAGE:3604493 K	601282717F1 NIH MGC 44 Homo sapiens CDNA clone IMAGE:3604493 5	ty62a05.x1 NCI_CGAP_KH11 Homo saptens cDNA cbne IMAGE:2283632 3' similar to SW:ICA6_HUMAN Q05084 69 KD ISLET CELL AUTOANTIGEN	CM4-LT0059-150200-096-e06 LT0059 Homo sabiens cDNA	oo57e08.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1354790 3'	0057608.s1 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:1354790 3'	cn03a04.y1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC cn03a04 random	tm41102.x1 NCL_CGAP_Kld11 Homo sapiens cDNA clone IMAGE:2160699 3' similar to contains MSR1.t3 TAR1 PTR5 repetitive element;	tm41f02.x1 NCL_CGAP_Kid11 Homo sepiens cDNA cione IMAGE:2160699 3' similar to contains MSR1.t3 TAR1 PTR5 repetitive element:	601282367F1 NIH MGC 44 Homo saplens cDNA clone IMAGE:3604217 5	801671674F1 NIH MGC 20 Homo sapiens cDNA clone IMAGE:3954403 5'	801671674F1 NIH MGC 20 Homo sapiens cDNA clone IMAGE:3954403 51	np57b10.s1 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGE:1130395 3'	np57b10.s1 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGE:1130395 3'	RC0-CT0318-201199-031-a11 CT0318 Homo saplens cDNA
Top Hit	Source	EST HUMAN	EST_HUMAN	ΝŢ	LN LN	ENT LIMAN	TN	EST HUMAN	LN	L	EST_HUMAN	EST_HUMAN	EST_HUMAN	FST HIMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession	o Z	1.0E-106 BE897112.1	1.0E-106 BE897112.1	11545913 NT	11545913 NT	1 0E-106 AA663779 1	11429817 NT	1.0E-106 BE292722.1	11425503 NT	11425503 NT	1.0E-105 AU116850.1	1.0E-106 BE741408.1	1.0E-106 BE741408.1	1.0E-106 AI523066 1	1.0E-106 BE387950.1	1.0E-106 BE387950.1	1.0E-106 Al654123.1	1.0E-106 AW 838831.1	1.0E-108 AA825307.1	1.0E-106 AA825307.1	1750447.1	1479569.1	1479569.1	1.0E-106 BE389234.1	F027310.1	F027310.1	1.0E-106 AA604417.1	1.0E-106 AA604417.1	1.0E-106 AW363299.1
5	BLAST E Value	1.0E-106	1.0E-106	1.0E-108	1.0E-108	1 0F-108	105-108	1.0E-106	1.0E-106	1.0E-106	1.0E-105	1.0E-106	1.0E-106	1.0E-106	1.0E-106	1.0E-106	1.0E-106	1.0E-106	1.0E-108	1.0E-106	1.0E-106 AI750447.1	1.0E-106 AI479569.1	1.0E-106 AI479569.1	1.0E-106	1.0E-106 BF027310.1	1.0E-106 BF027310.1	1.0E-106 A	1.0E-106	1.0E-108
Expression	Signal	0.81	99.0	15.91	15.91	69	4.17	1.64	8.08	8.06	9.0	3.62	3.62	2.21	0.64	0.64	2.77	0.83	2.34	2.34	7.0	1.94	1.94	9.0	1.09	1.09	10.7	10.7	1.83
0	.; O O				33088	34075	34130		L	34336		34776		34972	l		35522		35978	35979	36106	36255	36256	36832					37136
Exon SEO ID	NO				19711	20801				20843		21255	21255	21449	1	l I	21882	22329		22424	22543	22684	22684			i I	23481		23527
Probe SEO ID		6336	6526	6549	6249	7528	7582	7672	7877	7787	7994	8173	8173	8368	08830	9830	8903	9252	9348	9348	9486	9629	9829	10205	10289	10289	10446	10446	10492

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Top Hit Descriptor	Homo sapiens multimerin (MMRN), mRNA	Homo saplens multimerin (MMRN), mRNA	DKFZp434F0712_r1 434 (synonym: hies3) Hono sapiens cDNA clone DKFZp434F0712 5'	Homo saplens chromosome 21 segment HS21C002	601453461F1 NIH_MGC_66 Homo saplens cDNA clone IMAGE:3857366 5	601453461F1 NIH_MGC_86 Homo sapiens oDNA clone IMAGE:3857366 5'	Human ryanodine receptor mRNA, complete ods	Human ryanodine receptor mRNA, complete cds	601109219F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3349997 5/	RC5-BN0192-100500-021-B02 BN0192 Home saplens cDNA	RC5-BN0192-100500-021-B02 BN0192 Homo sapiens cDNA	fh05h11.x1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:2961644 5'	601433087F1 NIH_MGC_72 Homo saplens cDNA clone IMAGE:3918524 5/	601433087F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3918524 51	RC1-CT0249-090800-024-d05 CT0249 Homo saplens cDNA	Homo saplens Xq pseudoautosomal region; segment 1/2	Human IFNAR gene for Interferon alpha/beta receptor	Homo saplens neuronal cell adhesion molecule (NRCAM) mRNA	Homo sapiens NY-REN-25 antigen mRNA, partial cds	Human IFNAR gene for interferon alpha/beta receptor	Human IFNAR gene for Interferon alpha/beta receptor	Homo sapiens sodium-dependent high-affinity dicarboxylate transporter (NADC3) mRNA, complete cds	Homo sapiens BAZ18 mRNA for bromodomain adjacent to zinc finger domain 18, complete cds	QV2-HT0540-120900-358-a05 HT0540 Homo saplens cDNA	Homo sapiens cathepsin Z precursor (CTSZ) gene, exon 3	Homo sapiens mRNA for KIAA0453 protein, partial cds	Homo sapiens mRNA for KIAA0453 protein, partial cds	Human dipeptidy peptidase IV (CD26) gene, exon 20	PM1-CN0031-190100-001-d03 CN0031 Homo septens cDNA	PM1-CN0031-190100-001-d03 CN0031 Homo sapiens cDNA	PM1-CN0031-190100-001-d03 CN0031 Homo sapiens cDNA	PM1-CN0031-190100-001-d03 CN0031 Homo sapiens cDNA	Homo sapiens SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2), mRNA
Top Hit Database Source	NT	N	EST_HUMAN	NT	EST_HUMAN	EST HUMAN	ᅜ	F	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΝŢ	TN	ΤN	ΙN	۲	ΙN	¥	Į.	EST_HUMAN	TN	TN	NT	NT	EST HUMAN	EST_HUMAN	EST_HUMAN	51.1 EST_HUMAN	ΝΤ
Top Hit Acession	11436432 NT	11436432 NT	1.0E-106 AL039886.1	1.0E-108 AL163202.2	1.0E-106 BF032755.1	1.0E-108 BF032755.1	105200.1	105200.1	1.0E-106 BE257385.1	1.0E-106 BE010882.1	1.0E-106 BE010882.1	1.0E-106 AW410405.1	1.0E-106 BE894488.1	1.0E-106 BE894488.1	1.0E-106 BE685905.1	1.0E-107 AJ271735.1	X60459.1	4826863 NT	1.0E-107 AF155103.1	X60459.1	X60459.1	1.0E-107 AF154121.1	1.0E-107 AB032253.1	1.0E-107 BF087405.1	1.0E-107 AF136275.1	1.0E-107 AB007922.2	1.0E-107 AB007922.2	U13729.1	1.0E-107 AW842461.1	1.0E-107 AW842451.1	1.0E-107 AW842451.1	1.0E-107 AW842451.1	5902097
Most Similar (Top) Hit BLAST E Value	1.0⊑-108	1.0E-108	1.0E-106	1.0E-108	1.0E-106	1.0E-108	1.0E-108 J05200.1	1.0E-106 J05200.1	1.0E-106	1.0E-106	1.0E-108	1.0E-106	1.0E-108	1.0E-106	1.0E-106	1.0E-107	1.0E-107 X60459.1	1.0E-107	1.0E-107	1.0E-107 X60459.1	1.0E-107 X60459.1	1.0E-107	1.0E-107	1.0E-107	1.0E-107	1.0E-107	1.0E-107	1.0E-107 U13729.1	1.0E-107	1.0E-107	1.0E-107	1.0E-107	1.0E-107
Expression Signal	0.06	99.0	0.65	4.20	4.81	4.81	2.08	2.06	1.35	1.89	1.89	4.3	1.97	1.97	3.71	4.52	6.0	1.03	2.34	1.02	1.38	9.71	1.08	3.81	5.42	1.52	1.52	3.77	4.03	4.03	6.14	6.14	2.9
ORF SEQ ID NO:	37141	37142	37320	37464	37832				38383	38514	38515		32059	32060					26858	27069	27149	27223	27531	27836	28033	28138	28139	28546	28691	28692			29352
Exan SEQ ID NO:	23632	23532	23712		L		24380		24692		24826	25046	25338		L	13466			13832	14014	14084	14163	14463	14763	14940	15031	15031			15563			16344
Probe SEQ ID NO:	10497	10497	10678	10807	11135	11135	11317	11317	11694	11837	11837	12253	12484	12484	12717	244	276	837	647	836	805	887	1307	1600	1791	1887	1887	2282	2435	2435	3072	3072	3169

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Probe SEQ 1D NO: NO: NO: NO: 5742 5742 5742 7620 7620 7620 7620 7620 7620 7620 762	Exan SEQ ID NO: 17090 18936 18936 19936 20593 20593 20593 20593 20594 205961 205961 205961 205961 205961 205961 205961 205961 205961 15538 15538	ORF SEQ ID NO: 30087 32236 32463 34467 34467 34467 34467 37604 376	Expression Signal Signal 1,33 1,133 1,133 1,132	Most Similar (Top) Hit BLAST E Value 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-107 1.0E-108 1.	st Similar Top Hit Acession No. Vellue  10E-107 AF020671.1 1.0E-107 AF020671.1 1.0E-107 AV8060038.1 1.0E-107 AV8060038.1 1.0E-107 AV80603913.1 1.0E-107 AV80603913.1 1.0E-107 AV80603913.1 1.0E-107 AV80603913.1 1.0E-107 AV806038.1 1.0E-107 AV80608.1 1.0E-107 BE188728.1 1.0E-107 BE886611.1 1.0E-107 BE88611.1 1.0E-107 BE88611.1 1.0E-107 BE88611.1 1.0E-107 BE88611.1 1.0E-108 BE88611.1 1.0E-108 BE88611.1 1.0E-108 BE88612.1 1.0E-108 A\8860040.1	Top Hit Database Source Source Source EST HUMAN EST HUMAN EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN NT EST HUMAN EST HUMAN NT EST HUMAN NT EST HUMAN EST HUMAN EST HUMAN EST HUMAN	Top Hit Descriptor  Home sapilens mydubularin (MTM1) gens, exon 9  EST381115 MAGE resequences, MAGK Home sapiens cDNA 60144255817 MIH MGC 65 Home sapiens cDNA clone IMAGE:3840469 \$\vee{s}\$ UI-HF-BNO-elic-604-UI.17 NIH MGC 60 Home sapiens cDNA clone IMAGE:3078310 \$\vee{s}\$ UI-HF-BNO-elic-604-UI.17 NIH MGC 60 Home sapiens cDNA clone IMAGE:2384781 \$\vee{s}\$ WheShok-47 NGI_CGAP_UI.47 NIH MGC 60 Home sapiens cDNA clone IMAGE:2384781 \$\vee{s}\$ WheShok-47 NGI_CGAP_UI.47 NIH MGC 60 Home sapiens cDNA clone IMAGE:2108363 \$\vee{s}\$\$ Home sapiens mRNA for dynein resay chain (DNAH9 gene) Home sapiens mRNA for dynein resay chain (DNAH9 gene) Home sapiens mRNA for dynein resay chain (DNAH9 gene) Home sapiens mRNA for dynein resay chain (DNAH9 gene) AU122489 MAMMAN Home sapiens cDNA clone IMAGE:2108363 \$\vee{s}\$\$ imiliar to SW:ACT_DICDI FOS095 ALPHA-ACTININ 3, NON MUSCULAR; Home sapiens HSPC049 protein (NSP) gene, exon 4 6021239351 NIH MGC 66 Home sapiens cDNA clone IMAGE:381385 Home sapiens HSPC049 protein (HSPC049), mRNA Home sapiens HSPC049 protein (HSPC049), mRNA Home sapiens HSPC049 protein (HSPC049), mRNA Home sapiens NP2 gene 60115701477 NIH MGC 27 Home sapiens cDNA clone IMAGE:3853348 \$\vee{s}\$ Home sapiens NP2 gene 60117770187 NIH MGC 20 Home sapiens cDNA clone IMAGE:3853348 \$\vee{s}\$ Home sapiens NP2 gene 60117770187 NIH MGC 20 Home sapiens cDNA clone IMAGE:3248383 \$\vee{s}\$ similar to qubM14219 BONE FNOTEOGLY NOI, CGAP P228 Home sapiens cDNA clone IMAGE:2248383 \$\vee{s}\$ similar to qubM14219 BONE 187470 CAP P228 Home sapiens cDNA clone IMAGE:2248383 \$\vee{s}\$ similar to qubM14219 BONE 187470 CAP P228 Home sapiens cDNA clone IMAGE:2248383 \$\vee{s}\$ similar to qubM14219 BONE 187470 CAP P228 Home sapiens cDNA clone IMAGE:2248383 \$\vee{s}\$ similar to qubM14219 BONE
2407	1		12.11	1	1.0E-108 AIG86040.1 1.0E-108 BE206694.1	EST_HUMAN	PROTECCI, YCAN II PRECURSOR (HUMAN);  bb25b10x1 NIH MGC 14 Homo sapiens cDNA clone IMAGE:2963899 3' similar to gb:X53777 60S  RIBOSOMAL PROTEIN L23 (HUMAN); gb:J05277 Mouse hexokinase mRNA, complete cds (MOUSE);
3025 3430 3430			0.64	1.0E-108 1.0E-108 1.0E-108	1.0E-108 AF032897.1 NT 1.0E-108 AF032897.1 NT	<u> </u>	Homo sapiens Kruppel-ilke factor 8 (KLF8), mRNA Homo sapiens potassium chennel subunit (HERG-3) mRNA, complete cds Homo sapiens potassium chennel subunit (HERG-3) mRNA, complete cds

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					1		
Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
4273	17418	30406	1.57	1.05-108	1.0E-108 AW664438.1	EST_HUMAN	hi12a11x1 NO_COAP_GU1 Homo sapiens DNA clone IMAGE:2972060 3' similar to SW:3BP1_MOUSE P55194 SH3-BINDING PROTEIN 3BP-1.;
4647		30765	2.62	1.0E-108	1.0E-108 U72961.1	FZ	Human hepatocyte nuclear factor 4-alpha gene, exon 2
4647		30766	2.62		1.0E-108 U72961.1	TN	Human hepatocyte nuclear factor 4-alpha gene, exon 2
4927	18057	31040	3.37	1.0E-108	7661979 NT	LΝ	Homo sepiens KIAA0187 gene product (KIAA0187), mRNA
5037			69.0	1.0E-108	1.0E-108 AW 604799.1	EST_HUMAN	UI-HF-BNO-aln-e-04-0-UI.11 NIH_MGC_50 Homo saplens cDNA clone IMAGE:3080169 5'
5063			3.18		1.0E-108 AJ008005.1	ΤN	Homo saplens PSN1 gene, alternative transcript
\$596					1.0E-108 AW384094.1	EST_HUMAN	RC0-HT0372-241199-031-d03 HT0372 Homo saplens cDNA
5644	18838	31916	2.58		1.0E-108 BE869016.1	EST_HUMAN	601444922F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3848980 5'
5644		31917	2.56		1.0E-108 BE869016.1	EST_HUMAN	601444822F1 NIH_MGC_65 Homo saplens cDNA clone IMAGE:3848980 6'
6049	19232		99'0		1.0E-108 AF012623.1	TN	Homo sapiens familial mental retardation protein 2 (FMR2) gene, exon 20
6125	19304	32644	0.74		1.0E-108 BF334851.1	EST_HUMAN	PM4-CT0403-240700-001-c10 CT0403 Home saplens cDNA
2002	_				* = * = * = * = *	Ļ	Homo sapiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete
/979	18441	32/88	6.14		1.0E-108 AF264717.1	Z	cas
6267	19441	32780	6.14	1.0E-108	1.0E-108 AF264717.1	NT	Homo sapiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete eds
6302	10584	32021	1 22	4 0E-108	1 0E-108 A 1433269 4	F	Homo saplens caveolin-1/-2 locus, Contig1, D79522, genes CAV2 (exons 1, 2a, and 2b), CAV1 (exons 1 and
	1		1 3	20, 10,		ı	DILL CTALCH CLOSES AND ACCOUNTS IN COLUMN
0468	1			1.05-108	1.0E-108 BF334851.1	HOMAN	PMA-C10403-240700-001-010 C10403 Homo sapiens CDNA
6/33	- 1			1.0E-108	1.0E-108 AF016706.1	Z	norms sapiens Ec-AF uniquim-protein ligase (UBESA) gene, exon 4
6753	- 1		0.64	1.0E-108	1.0E-108 AF016706.1	N	Homo sapiens E8-AP ubiquitin-probeln ligase (UBE3A) gene, exon 4
7308	- 1		4.52	1.0E-108	-	LΝ	Homo sapiens G protein-coupled receptor, femily C, group 5, member B (GPRC5B), mRNA
7597	20667	34143	2.12	1.0E-108	4758333 NT	L	Homo capiens delta-6 fatty acid desaturase (FADSD8) mRNA
7648				1.0E-108	1.0E-108 BE252607.1	EST HUMAN	601113471F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3354064 6'
7674				1.0E-108	1.0E-108 BF528912.1	EST HUMAN	602043384F1 NCI_CGAP_Bm67 Home saplens cDNA clone IMAGE:4181037 5'
7674			6.73	1.0E-108	1.0E-108 BF528912.1	EST_HUMAN	602043384F1 NCI_CGAP_Bm67 Homo saplens cDNA clone IMAGE:4181037 5'
8284	21336		1.72	1.0E-108	1.0E-108 AF083500.1	LN	Homo sapiens connective tissue growth factor-like protein precursor, mRNA, complete ods
8308	21388	34910	0.61	1.0E-108	1.0E-108 AW 408694.1	EST_HUMAN	UHF-BM0-ads-e-12-0-ULr1 NIH_MGC_38 Homo sepiens oDNA done IMAGE:3062878 5
8306	21388	L	0.61	1.0E-108	1.0E-108 AW408694.1	EST_HUMAN	ULHF-BM0-eds-6-12-0-ULT NIH_MGC_38 Homo sepiens cDNA done IMAGE:3062878 6'
9247	22324		22.0	1.0E-108	1.0E-108 AF203977.1	NT	Homo sapiens ETS-family transcription factor EHF (EHF) mRNA, complete cds
9287	22383	35912	97 0		1 0F-108 N44974 1	EST HIMAN	yy35h10.r1 Soares melanocyte 2NbHM Homo saplens cDNA done IMAGE:273283 6' similar to PIR.A46773 4 A45773 kelch protein long form - fruit flv:
	L			L			Homo saplens similar to high-mobility group (nonhistane chromosomal) protein 4 (H. saplens) (1 OC83446)
10847	23880	37500	1.08	1.0E-108	11428155 NT	Ę	mRNA

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Table 4
Single Exon Probes Expressed in Placenta

	Top Hit Descriptor	601058769F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:3445361 5	Homo sapiens mRNA for Golgl-associated microtubule-binding protein (GMAP-210)	Homo sapiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively	Spiliced EST-270-250 MACH COMMISSION MACHINA	AVAIGNO AND Lives exists - DNA - Let ADARTER F	AV 700 90 ADO Home some control of the ADOAETOS 5	AV (100730 ADC FIGURE SPIERS CLINA CIGILE ADCAREEUS S Home seniens G myells pounded recentor 48 (20048) mobile	HIGH OF YARD PASS HOME Capies CINA Com MACE 22/8038 3' Smiles Com Bone	PROTEOGLYCAN II PRECURSOR (HUMAN):	1991e10.x1 NCI_CGAP_P728 Homo sapiens cDNA clone IMAGE:2248938 3' similar to gb:M14219 BONE IPROTEOGI YCAN II PRE-CI ISSOR (HI IMAN)	Home espienc COI 448 name for sell IV and and CO	Homo capiars mDNA for El 100027 mother meter of	INCLUS ASSESSED TO TENDOON MOVEMINE PARKET US STATEMENT OF THE STATEMENT O	II 2. IMMONT 7. SROAD DATE TO TRANST DATE STATES TO THE IMPORT. SPORT OF THE STATES TO	Human mRNA for KIAA0220 cene, partial cds	Homo sapiens hypothetical protein FLJ11316 (FLJ11316), mRNA	Homo sapiens reticulocalbin 1, EF-hand calcium binding domain (RCN1), mRNA	Homo saplens tetratricopeptide repeat domain 2 (TTC2) mRNA	Homo saplens mRNA for KIAA0999 protein, partial cds	Homo sapiens mRNA for KIAA0999 protein, partial cds	Homo sapiens chromosome 21 segment HS21C049	Homo sapiens nucleolar phosphoprotein B23 (NPM1) mRNA, complete cds	Homo sapiens nucleolar phosphoprotein B23 (NPM1) mRNA, complete cds	601186922F2 NIH_MGC_15 Homo sapiens cDNA clone IMAGE:2939636 5'	601186922F2 NIH_MGC_15 Homo sapiens cDNA olone IMAGE:2959636 51	Homo sapiens mRNA for KIAA0018 protein, partial cds	Homo saplens chromosome 21 segment HS21C084	Homo sapiens SNF5/INI1 gene, excn 6	ow95a01 x1 Scares, fetal, liver, spieen, 1NFLS, S1 Homo sapiens cDNA clone IMAGE:1654536 3' similar to TR:002197 002197 CIRCULATING CATHODIC ANTIGEN.:	ow95a01.x1 Scares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1654536 3' similar to TR:002197 002197 CIRCULATING CATHODIC ANTIGEN.;
	Top Hit Database Source	EST_HUMAN	NT	H	N. COT LINAM	COT LINAN	EST LIMAN	TO LOUGH	1 1 1	EST HUMAN	EST HIMAN	TN	12	EST HIMAN	EST HIMAN	NT IN	TN	LN LN	LN	LΝ	LN L	NT	ΙN	. LN	EST_HUMAN	EST_HUMAN	LΖ	LN LN	FN	EST_HUMAN	EST HUMAN
,	Top Hit Acession No.	1.0E-108 BE535227.1	Y12490.1	4 OF 400 A FORMON 4	1.0E-109 AI 223381.1	4 0E-108 AV708700 4	1.0E-100 AV 700/ 50.1	11441465 NT	200	1.0E-108 AI686040.1	1.0E-108 AI686040.1	D63530 4	4 0F-108 AK024447 4	1.0E-108 BF346386 1	1 0F-109 AW80311R 1	D86974.1	11422486 NT	11438391 NT	4507712 NT	1.0E-109 AB023216.1	1.0E-109 AB023216.1	1.0E-109 AL163249.2		M28699.1	1.0E-109 BE293673.1	1.0E-109 BE293673.1		1.0E-109 AL163284.2	Y17123.1	1.0E-109 Al022328.1	1.0E-109 AI022328.1
	Most Similar (Top) Hit BLAST E Value	1.0E-108	1.0E-108 Y12490.1	4 00 400	1.0E-108	4 OF 408	4 OF 408	1 OF-108		1.0E-108	1.0E-108	4 OE-408 D63539 4	4 OF-108	1 0F-108	1 0F-109	1.0E-109 D86974.1	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109 M28699.1	1.0E-109 M28699.1	1.0E-109	1.0E-109	1.0E-109 D13643.2	1.0E-109	1.0E-109 Y17123.1	1.0E-109	1.0E-109
	Expression Signal	2.09	2.67	4 2 K	00.	17.	1	2.77		2.99	2.89	172	4.15	5 09	ξ	1.17	3.34	2.77	2.28	14.77	14.77	1,62	8.5	6.38	66.0	0.99	2,3	5.46	3,65	19.35	19.35
	ORF SEQ ID NO:	34549	31537	70085			38344	5		28665	28666	38446	32084		26287	26326	26475	, 26482	26705	26820	26821	27262	27451	27451	27806	27807	28170	28580	28589	28923	28924
	·ν		18501	24382	1	1	1	ı	ı	15538	15538	L	L				13447	13456	13674	13800		ı	14389	14389	14726	14726	15088		15457	15807	15807
	Probe SEQ ID NO:	10904	11066	14340	11549	11805	11605	11652		11688	11688	11712	12499	12940	8	88	225	235	479	611	611	1037	1229	1230	1573	1573	1923	2314	2326	2687	2687

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	Т	Т	Т	Ť	T	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	T	F	Ű	T		1	Ť	Ħ	Т	Ţ.J	-15	a ga'	Ti	Ì	
Top Hit Descriptor	Homo sapiens guanylate cyclase activator 1A (retina) (GUCA1A) mRNA	J2816F Human fetal heart, Larrbda ZAP Express Homo saplens cDNA done J2816 6' similar to ZINC FINGER PROTEIN ZNF43	CM3-NN0009-190400-150-f10 NN0009 Homo sepiens cDNA	CM3-NN0008-180400-150-f10 NN0009 Homo saplens cDNA	Homo sapiens retinol dehydrogenase homolog isoform-1 (RDH) mRNA, complete cds	MR0-HT0209-110400-108-a04 HT0209 Homo sapiens cDNA	ts98608.x1 NCI_CGAP_GC8 Home saplens cDNA clone IMAGE:2239330 3' similar to WP:F53A2.8 CE16100 ;	Homo sapiens guanylate cyclase activator 1A (retina) (GUCA1A) mRNA	Homo saplens KIAA0377 gene product (KIAA0377). mRNA	601186922F2 NIH_MGC_15 Homo saplens cDNA clone IMAGE:2859636 5	601186922F2 NIH_MGC_15 Homo sapiens cDNA done IMAGE:2859636 5	AU137282 PLACE1 Homo saplens cDNA clone PLACE1006159 5'	602136446F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4272922 5	Homo sapiens placental protein 11 (serine proteinase) (P11) mRNA	RC1-HT0615-200400-022-d04 HT0615 Homo saplens cDNA	CM1-UT0038-060900-399-407 UT0038 Homo sapiens cDNA	RC1-HT0615-200400-022-404 HT0615 Homo saplens cDNA	qg88h08.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1842111 3'	Homo sapiens myosin, heavy polypeptide 4, skeletal muscie (MYH4), mRNA	Homo sapiens myosin, heavy polypopitde 4, skeietal muscle (MYH4), mRNA	Homo sapiens mRNA for KIAA1591 protein, partial cds	Homo saplens AT-binding transcription factor 1 (ATBF1), mRNA	601809495F1 NIH_MGC_18 Homo sapiens cDNA clone IMAGE:4040279 5'	601808495F1 NIH_MGC_18 Hamo sapiens cDNA clone IMAGE:4040279 5'	Novel human gene mapping to chomosome 13	PM0-BT0340-091299-002-e05 BT0340 Homo sapiens cDNA	7B18H01 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7B18H01	601479417F1 NIH_MGC_68 Homo sapiens cDNA done IMAGE:3882124 5	601479417F1 NIH_MGC_68 Homo sapiens cDNA done IMAGE:3862124 5'		ys90g08.r1 Soares retina N2b5HR Homo saplens cDNA clone IMAGE:222110 5 similar to SP:A53491 A53491 BUMETANIDE-SENSITIVE NA-K-C1 COTRANSPORTER - SPINY;
Top Hit Database Source	뉟	EST HUMAN	EST HUMAN	EST_HUMAN	Ę	EST_HUMAN	EST HUMAN	F	LN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΤN	NT	TN.	LNT	HUMAN	EST_HUMAN	LNT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	4504206 NT	N85190.1	1.0E-109 AW893192.1	1.0E-109 AW893192.1	1.0E-109 AF240698.1	1.0E-109 BE146144.1	1.0E-109 AI655417.1	4504208 NT	7662083 NT	1.0E-109 BE293673.1	1.0E-109 BE283673.1	1.0E-109 AU137282.1	1.0E-109 BF673718.1	74622	1.0E-109 BE179356.1	1.0E-109 BF379688.1	1.0E-109 BE179356.1	1.0E-109 AI221385.1	11024711 NT	- 11024711 NT	1.0E-109 AB046911.1	11432574 NT	1.0E-109 BF182707.1	1.0E-109 BF182707.1	1.0E-109 AL049784.1	1.0E-109 AW749130.1	1.0E-109 AA077498.1	1.0E-109 BE787540.1	1.0E-109 BE787540.1	1.0E-109 BE145672.1	184860.1
Most Similar (Top) Hit BLAST E Value	1.0E-109	1.0E-109 N85190.1	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-108	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1,0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109 /	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.05-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109 H84860.1
Expression Signal	2.68	3.37	2.08	2.08	1.1	1.31	4.35	2.67	1.7	0.72	0.72	0.67	0.92	2.82	1.23	1.23	1.41	0.85	69.0	0.69	0.67	3.75	4.91	4.91	1.35	1.39	2.84	4.36	4.36	0.57	1.65
ORF SEQ ID NO:	28925	29314		29662			36808	30650	30839	31252	31253	31480	31445	31604		32556			33651	33652	33933	34288	34290	34291	34970	35096		35549	35550	35797	36077
Exon SEQ ID NO:	15808	16301				17104	17409	17663	17857	Ш	18287				18917	25817		19878	20222	20222	20467	20799	20801	20801	21447	21561	21936	22011	22011	22255	22613
Probe SEQ ID NO:	2688	3125	3475	3475	3606	3945	4264	4624	4722	5165	5185	5361	5374	5428	5724	6050	6119	6721	6907	8907	7389	7738	7740	7740	8388	8480	8857	8932	8932	9177	9439

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Г		T-	Т	Т	T	Ť	Т	Т	Т	T	4	Т	Т	Т	Т	Т	Т	Т	17	ļ	T	7	Ťŧ	1 7	ŕ	Т	8 (4) <b>4</b> (4)	-71 -11-	F		17-23 17-21	3) 4)	원 기.
	Top Hit Descriptor	601289760F1 NJH_MGC_8 Homo sapiens cDNA clone IMAGE:3620030 5	601289760F1 NIH_MGC_8 Homo saplens cDNA clone IMAGE:3820030 5'	HSC1EC121 normalized infant brain cDNA Homo capiens oDNA clone c-1eo12	801063030F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:3449599 5'	601063030F1 NIH_MGC_10 Home saplens cDNA clone IMAGE:3449599 5'	602080724F2 NIH_MGC_81 Homo sapiens cDNA clone IMAGE:4245341 5/	AU121370 HEMBB1 Homo saplens cDNA clone HEMBB1002390 5'	Homo saplens Chedlak-Higashi syndrome 1 (CHS1) mRNA	zb08b12.r1 Scares, fetal (ung NbHL19W Homo septens cDNA clone IMAGE:301439 6' similar to PIR:S43969 S43969 p54-beta stress-activated protein kinases - rat;	hh23f05.x1 NCL_CGAP_Lu24 Homo septens cDNA clone INAGE:2955969 3' similar to TR:Q9Z124 Q9Z124 YGR163W MRNA HOMOLOGUE. COMPLETE CDS.	DKFZp76111124 r1 761 (synonym: hamy2) Homo sapiens cDNA clone DKFZp76111124 5/	Homo saplens single-minded (Drosophila) homolog 1 (SIM1), mRNA	Homo sapiens mRNA for KIAA0463 protein, partial cds	Homo sapiens SNF5/INI1 gene, exon 6	Homo saplens SNF5/INI1 gene, exon 6	Homo sapiens gene for AF-6, complete cds	Homo sapiens delodinase, iodothyronine, type II (DIO2), transcript variant 2, mRNA	Homo sapiens leucine-zipper-like transcriptional regulator, 1 (LZTR1), mRNA	Homo sapiens leucine-zipper-like transcriptional regulator, 1 (LZTR1), mRNA	Homo sapiens deiodinase, todothyronine, type II (DIO2), transcript varient 2, mRNA	Human mRNA for inward rectifier potassium channel, complete cds	Human dystrobrevin (DTN) gene, exon 20	Homo saplens calcitonin receptor-like (CALCRL) mRNA	Homo sapiens BAZ1B mRNA for bromodomain adjacent to zinc finger domain 1B, complete cds	601237545F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3609683 5'	UI-H-BI4-aos-b-05-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens cDNA clone IMAGE:3085784 3'	Homo sapiens chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	Homo saplens Bruton's tyrosine klnase (BTK), apha-D-galactosidase A (GLA), L44-like ribosomal protein	(L44tc) and F1F3 (F1F3) genes, complete cds	Homo sapiens pregnancy zone protein (PZP), mRNA	norno sapiens pregnancy-zone protein (PZP), mRNA	Human autommune antigen small nuclear ribonucleoprotein E pseudogene
	Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	EST_HUMAN	EST HUMAN	EST HUMAN	1	F	N	Z	LN	FN	LN	L	TN	TN	TN	ΙN	IN	EST HUMAN	EST_HUMAN	TN	Ŧ14	N I	Z	N .	LN.
)	Top Hit Acession No.	1.0E-109 BE397068.1	1.0E-109 BE397068.1	F06604.1	1.0E-109 BE540909.1	1.0E-109 BE540909.1	1.0E-109 BF694831.1	1.0E-109 AU121370.1	4502838 NT	1.0E-109 W16510.1	1.0E-109 BE045560.1	1.0E-109 AL119824.1	11418618 NT	1.0E-109 AB007932.1	Y17123,1	Y17123.1	1.0E-109 AB011399.1	7549804 NT	5803073 NT	5803073 NT	7549804 NT	D87291.1	U84550.1	5031620 NT	1.0E-110 AB032253.1	1.0E-110 BE379477.1	1.0E-110 BF508896.1	4503098 NT	170027	1,002/.1	11436041N	N 14000411	M15918.1
	Most Similar (Top) Hit BLAST E Value	1.0E-109	1.0E-109	1.0E-109 F06604.1	1.0E-109	1.0E-109	1.0E-109	1.05-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109	1.0E-109 Y17123,1	1.0E-109 Y17123.1	1.0E-109	1.0E-110	1.0E-110	1.0E-110	1.0E-110	1.0E-110 D87291.1	1.0E-110 U84550.1	1.0E-110	1.0E-110	1.0E-110	1.0E-110	1.0E-110	4 00 170027 4	1.05-170	1.0E-110	01.7-30.	1.0E-110 M15918.1
	Expression Signal	0.64	0.64	1.37	1.8	1.8	19.68	1.57	2.18	4.5	1.64	1.6	1.31	2.26	2.32	3.2	8.36	1.1	3.96	3.96	1.83	1.31	1.04	0.89	1.02	1.51	1.66	7.19	4	0	2.00	2.00	1.09
	ORF SEQ ID NO:		36185		37730	37731	25228	38109	38422	38382	38569	38636	38673		28589	28589				26282	26242	26555	26757	27429	27532	28217				2000	20469	00.4.0	30448
	Exen SEQ ID NO:	22615				24092		24448	24730	24691	24872	24934	24969		15457			13242	13276	13276	13242	13521	13733	14369	14464			16081	18331		10430	1	1/463
	Probe SEQ ID NO:	9550	9550	9685	11013	11013	11046	11387	11651	11693	11884	11948	11984	12126	12397	12636	12782	3	38	38	112	305	<b>₹</b>	1207	1308	1973	2118	2903	3158	300	9204	1020	4320

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	L					
Exon ORF SEQ Expression (Top) Hit Top Signal BLASTE Value	Most Similar  Expression (Top) Hit  Signal BLAST E  Value			Top Hit Acession No.	Top Hit . Database Source	Top Hit Descriptor
30872 2.04 1.0E-110 AI017213.1	2.04		L₹	017213.1	EST_HUMAN	ou32b10.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:1627963 3' sImilar to SW:N121_RAT P62591 NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121;
17812 30897 3.01 1.0E-110 AU117812.1	3,01	1.0E-110 AU	₹	117812.1	EST_HUMAN	AU117812 HEMBA1 Homo sapiens cDNA clone HEMBA1002241 5'
18216 2.28 1.0E-110				7662441 NT	۲	Homo sepiens KIAA1002 protein (KIAA1002), mRNA
	2.23		BEZ	39406.1	EST_HUMAN	601118710F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3028538 5'
	0.78		293B	1069.1	EST_HUMAN	601493677F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3895795 5'
19050 32356 8.61 1.0E-110	8.61	1.0E-110		11419323	N	Homo sapiens hypothetical protein FLJ10300 (FLJ10300), mRNA
19050 32357 8.61 1.0E-110	8.61	1.0E-110		11419323 NT	NT	Homo sapiens hypothetical protein FLJ10300 (FLJ10300), mRNA
6.43	6.43		M551	12.1	NT	Human cystic fibrosis transmembrane conductance regulator (CFTR) gene, exon 7
33754 0.59	0.59	·	BE26	1496.1	EST_HUMAN	601109388F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3350277 5'
20334 33782 0.85 1.0E-110 U08BB8.1	0.85		U08B	38.1	TN	Human GS2 gene, exon 2
33783	0.85	L	3800	88.1	Ę	Human GS2 gene, exon 2
						th12408.x1 NGL_CGAP_Bm25 Home sapiens CDNA clone IMAGE:2167407 3' similar to SW-ETV1_HUMAN
34026 0.78	0.78	1	A1580	289.1	EST_HUMAN	PROBLEM INVINCENCY INVINCENCY OF THE PROPERTY
34131 16.19	16.19		AV714	276.1	EST HUMAN	AV714276 DCB Homo septens cDNA clone DCBCGE01 6
20655 34132 16.19 1.0E-110 AV714276.1	16.19		AV714	276.1	EST_HUMAN	AV714276 DCB Homo saplens cDNA clone DCBCGE01 5'
20683 34159 2.87 1.0E-110 AB020675.1	2.87		AB0206	75.1	NT	Homo sapiens mRNA for KIAA0868 protein, partial cds
34283	96'0		AU137	7923.1	EST_HUMAN	AU137923 PLACE1 Homo saplens cDNA done PLACE1007511 5
22801 36174 1.09 1.0E-110 BE302594.1	1.09	l	BE302	594.1	EST HUMAN	ba68f01.y1 NIH_MGC_20 Homo sepiens cDNA clone IMAGE:2205561 5' similar to TR:O77258 O77258 EG:114D9.2 PROTEIN. ;
L	2.46		AW83	8394.1	EST_HUMAN	QV2-LT0053-020400-119-e04 LT0053 Homo saplens cDNA
3.38	3.38		L	11432732 NT	N N	Homo sapiens galactokinase 2 (GALK2), mRNA
	3.2	L	Y1233	7.1	TN	H. sapiens mRNA for myotonic dystrophy protein kinase like protein
24278 37916 3.64 1.0E-110 BE734357.1	3.64		BE73	4357.1	EST_HUMAN	601565604F1 NIH_MGC_21 Home seplens cDNA clone IMAGE:3840433 5'
37917	3.64	L	BE73	4357.1	EST_HUMAN	601565604F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3840433 5'
38347 1.89	1.89		Σ	051.1	LN.	Human Insulin receptor mRNA, complete cds
			L			zw67g02.r1 Scares_testis_NHT Homo sapiens cDNA clone IMAGE:781298 5' similar to TR:G1145816
37539 1.7 1.0E-110 AA448529.1	1.7		AA4	18529.1	EST_HUMAN	G1145816 FKBP54;
25164 2.47 1.0E-110 BE897218.1	2.47	L	BE89	7218.1	EST_HUMAN	601439784F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3924548 5'
			AWO	62258.1	EST_HUMAN	LD-BT0163-040899-094-g10 BT0163 Homo saplens cDNA
	1	1	ABO	1399.1	닐	Homo sapiens gene for AF-6, complete cds
	L	L	BF3	64546.1	EST_HUMAN	PM3-NN1082-140900-006-f12 NN1082 Homo saplens cDNA
15256 1.16 1.0E-110 BF508898.1			BF50	8898.1	EST_HUMAN	Ui-H-BI4-acs-b-05-0-UI:s1 NCI_CGAP_Sub8 Homo sapiens cDNA done IMAGE:3085784 3'
13402 1.0E-111 U43701.1			U43	1701.1	NT	Humen ribosomel protein L23a mRNA, complete cds

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Table 4
Single Exon Probes Expressed in Placenta

Top Hit Descriptor	Homo sapiens ras GTPase activating protein-like (NGAP) mRNA	601458531F1 NIH_MGC_66 Hamo septens cDNA clone IMAGE:3862086 57	Homo sapiens cat eye syndrome critical region gene 1 (CECR1), mRNA	Human cardiac alpha-myosin heavy chain (MYH6) gene, exons 32 to 34	Homo sapiens DKFZP434D166 protein (DKFZP434D156), mRNA	Human enkephalin B (enkB) gene, excn 4 and 3' flank and complete cds	247b07.r1 Soares_pregnent_uterus_NbHPU Homo sapiens cDNA clone IMAGE:505045 & similar to gb:M23575 PREGNANCY-SPECIFIC BETA-1 GLYCOPROTEIN C PRECURSOR (HUMAN);	247607.r. Soares, pregnant, uterus, NbHPU Homo septens cDNA clone IMAGE: 505045.67 similar to ob A23575 PREGNANCY-SPECIFIC BETA-1.01 YCOPROTEIN C PRECURSOR (HUMAN):	601443690F1 NIH_MGC_65 Homo saplens cDNA clone IMAGE:3847655 5'	Human two-handed zinc finger protein ZEB mRNA, partial cds	qp09g12.x1 NCI_CGAP_Kid5 Homo saplens cDNA clone IMAGE:1917574 3' simler to gb:M29893 RAS- RELATED PROTEIN RAL-A (HUMAN);	DKFZp434C1815_r1 434 (synonym: htss3) Homo septens cDNA clone DKFZp434C1815 5	UI-H-BW0-all-d-03-0-UI.st NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:27295253'	IL2-NT0101-280700-114-E03 NT0101 Homo sapiens cDNA	wi88d01.x1 NGI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2398465 3' similar to gb;J04813 CYTOCHROME P450 IIIA5 (HUMAN);	Homo sapiens basic transcription factor 2 p44 (btt2p44) gene, partial cds, neuronal apoptosis inhibitory protein (naio) and survival motor neuron protein (emn) genes, complete cds	2879g03.rt NCI_COAP_GCB1 Homo septens cDNA clone IMAGE:703732 & similar to TR:G1256410 G1256410 11.ZINC-FINGER TRANSCRIPTION FACTOR;	za79g03.r1 NOI_CGAP_GO31 Homo saplens cDNA clone IMAGE:703732 5' similar to TR:G1256410 C1266410 11-ZINC-FINGER TRANSCRIPTION FACTOR.	Homo sapiens protein x 0001 (LOC51185), mRNA	Human beta4-integrin (ITGB4) gene, axon 13	Homo sapiens nuclear factor of activated T-cells, cytoplasmic 2 (NFATC2), mRNA	Homo sapiens mRNA for FLJ00045 protein, partial cds	601847132F1 NIH_MGC_55 Homo sapiens cDNA clone IMAGE:4078303 5'	Human mRNA for Integrin alpha-2 subunit	Human mRNA for integrin alpha-2 subunit	Homo sapiens Trio isoform mRNA, complete cds	QV2-BT0817-270900-398-e06 BT0817 Homo sapiens cDNA
Top Hit Database Source		EST HUMAN 6				L'X	EST_HUMAN 9	EST HUMAN	Т	Τ	EST_HUMAN F	Г	EST_HUMAN			L L	HUMAN	EST HIMAN	N	E		LN	EST HUMAN	INT.	±N7		EST_HUMAN C
Top Hit Acession No.	4758807 NT	1.0E-111 BF035327.1	8393092 NT	,	7661569 NT		1.0E-111 AA151017.1	1 0E-111 AA151017 1	T		-		1.0E-111 AW 294648.1	1.0E-111 BF366228.1	1.0E-111 AI761228.1		_	1 05-111 44278868 1	31896	U66533.1	11420516 NT	1.0E-111 AK024453.1	1.0E-111 BF214902.1				1.0E-111 BF333210.1
Most Similar (Top) Hit BLAST E Value	1.0E-111	1.0E-111	1.0E-111	1.0E-111 M25142	1.0E-111	1.0E-111 K02268.1	1.0E-111	1 OF-111	1.06-111	1.0E-111 U19969.1	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111 U80017.1	1.0E-111	1 05-411	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111 X17033.1	1.0E-111 X17033.1	1.0E-111	1.0E-111
Expression Signal	1.64	1.99	4.13	2.5	1.15	4.59	0.75	77	0.88	0.66	2.09	96.0	1.31	3.04	0.7	880	0.8	α c	0.63	3.56	96.0	0.64	8.43	15.93	15.93	3.37	0.54
ORF SEQ ID NO:	26455		26989	27185	30419	30570	31835	31838		32359			33697	34149	34264	34340	}	34880				35597		35708		35914	
Exan SEQ 1D NO:	13424	13934	13943	14123	17431	17589	18788	1878B	•		ł	1			20769	L_	1		1_	L	l_	22054	22087	22164			22583
Probe SEQ ID NO:	23	753	762	950	4286	4449	5593	5503	6749	5862	6156	6818	6945	7605	7704	7791	8286	ROBG	8383	8435	8878	8975	8008	9085	9085	9289	9518

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Table 4

Single Exon Probes Expressed in Placenta	Top Hit Descriptor	aa58g02.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone INAGE:825170 3' similar to gb:L08235 VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A, UBIQUITOUS (HUMAN);	Homo saplens RGH1 gene, retrovirus-like element	zl31f01.r1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:503545 5'	UI-H-BW0-alq-d-07-0-UI s1 NCI_CGAP_Sub6 Homo capiens cDNA clone IMAGE:27302763'	Human thrombopoletin receptor (MPL) gene, exons 1,2,3,4,5 and 6	Homo captens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA	AV708482 ADC Homo sapiens cDNA clone ADCAOB08.6	72C9 Human retina cDNA Tsp509I-cleaved sublibrary Homo sapiens cDNA not directional	Homo sapiens mRNA for neurexin I-alpha protein, complete cds	Homo sapiens acetyl-Coenzyme A carboxylase beta (ACACB), mRNA	Human etaroidogenic acute regulatory protein (StAR) gene, exon 5	Human steroidogenio acute regulatory protein (StAR) gene, exon 5	UI-H-BI4-aot-g-04-0-UI.s1 NCI_CGAP_Sub8 Homo eapiens cDNA clone IMAGE:3036023 3'	UI-H-814-sot-g-04-0-UI.s1 NCI_CGAP_Sub8 Homo sepiens cDNA clone IMAGE:3086023 3'	Homo sapiens HTRA serine protease (PRSS11) gane, complete cds	ZINC FINGER PROTEIN 135	Homo sepiens KIAA0440 protein (KIAA0440), mRNA	Homo sapiens KIAA0440 protein (KIAA0440), mRNA	Homo saplens infersectin 2 (SH3D1B) mRNA, complete cds	601442674F1 NIH_MGC_65 Homo septens cDNA clone IMAGE:3846868 5	Homo sapiens glutamate receptor, tonotropic, kainate 1 (GRIK1) mRNA	wk45b12.x1 NCI_CGAP_Pr22 Homo sepiens cDNA clone IMAGE:2418335 3' sImiler to gb:M81650_ma1 SEMENOGELIN 1 PROTEIN PRECURSOR (HUMAN);	MR2-BT0590-090300-113-f09 BT0590 Homo sapiens cDNA	Homo seplens glutamate receptor, Ionotropic, kalnete 1 (GRIK1) mRNA	Homo saplens mRNA for KIAA1411 protein, partial cds	Homo sapiens mRNA for KIAA1411 protein, partial cds	yy35d07.r1 Soares melanocyte 2NbHM Homo saplens cDNA clone IMAGE:273229 6'	Horno saplens NOD1 protein (NOD1) gene, exons 1, 2, and 3	UI-HF-BR0p-ajs-g-06-0-UI.r1 NIH_MGC_62 Homo sapiens cDNA clone IMAGE:3075658 5	UI-HF-BR0p-ajs-g-08-0-UI.r1 NIH_MGC_52 Homo sapiens cDNA clone IMAGE:3076658 5	801594717F1 NIH_MGC_9 Homo sapiens aDNA clane IMAGE:3948557 5'	602152849F1 NIH_MGC_81 Homo saplens cDNA clone IMAGE:4223420 5'
Exon Probes	Top Hit Database Source	EST_HUMAN	T.	Г	HUMAN	FN			EST_HUMAN 7	L		T L	±Z	Г	EST_HUMAN L	LZ	SWISSPROT				EST_HUMAN   6		EST_HUMAN S	EST HUMAN A		T L	NT	EST_HUMAN		П		Т	EST HUMAN
Single	Top Hit Aœssion No.	1.0E-111 AA504160.1		1.0E-111 AA131248.1	1.0E-111 AW296467.1		11417901 NT	1.0E-111 AV708482.1	1.0E-111 W22562.1	1.0E-111 AB035356.1	4501854 NT			1.0E-112 BF509039.1	1.0E-112 BF509039.1	1.0E-112 AF157623.1		7862125 NT	7862125 NT	1.0E-112 AF248540.1	1.0E-112 BE806859.1	450411B NT	1.0E-112 AI826511.1	1.0E-112 BE076073.1	4504118 NT	1.0E-112(AB037832.1	1.0E-112 AB037832.1			1.0E-112 AW502437.1	1.0E-112 AW 502437.1		1.0E-112 BF672815.1
	Most Similar (Top) Hit BLAST E Value	1.0E-111	1.0E-111 D10083.1	1.0E-111	1.0E-111	1.0E-111 U68159.1	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-112	1.0E-112 U29103.1	1.0E-112 U29103.1	1.0E-112	1.0E-112	1.0E-112	1.0E-112 P52742	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112 N46046.1	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112
	Expression Signal	1.56	1.04	5.58	1.34	3.29	4.07	4.72	4.82	1.27	2.77	4.84	4.94	1.82	1.82	33.08	1.49	7.1	7.1	1.11	2.83	0.78	0.61	0.63	0.68	5.87	5.87	36.7	1.33	0.66	99.0	0.83	0.7
	ORF SEQ ID NO:	37000		37127	37707	38008	38828	32028	31855	31539	26829	26831	26832	26860	26861	27255	27308	27958	27959	28115	28823		28630	30153	30843	30890	30991	32282	32727	32795	32796	32904	33132
	SEC ID	23390				24365	1			18504	13808	1	1	1	13834	14197	14253	14868	14868	١.	12703	16323	16612		17861	1	1						18749
	Probe SEQ ID NO:	10355	10383	10479	10895	11289	12167	12741	12881	13041	623	625	625	648	649	1026	1087	1718	1718	1863	2577	3147	3444	3990	4728	4875	4875	5784	6201	6273	6273	6379	9688

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	Top Hit Descriptor	601142755F1 NIH_MGC_14 Homo sapiens cDNA clone IMAGE:3506508 5'	601142755F1 NIH_MGC_14 Homo sapiens cDNA clone IMAGE:3506508 5'	602131405F1 NIH_MGC_81 Homo saplens cDNA clone IMAGE:4270921 5'	DKFZp434M0523_71 434 (synonym: htes3) Homo saplens cDNA clone DKFZp434M0523 5'	Homo sapiens solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 (SLO6A7), mRNA	Homo sepiens solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 (SLC6A7), mRNA	AU118051 HEMBA1 Homo sapiens cDNA clone HEMBA1002773 5'	601443151F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3847285 5'	601443151F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3847285 5'	7i30g07.x1 Soarce_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:3623020 3' similar to TR:Q9VW36 Q9VW36 CG8743 PROTEIN: ;	MR3-SN0009-100400-106-b12 SN0009 Homo saplens cDNA	yd56d10.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:112243 3' similar to SP:C40H1.1 CE01109 OVARIAN PROTEIN;	yd56d10.s1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:112243 3' similar to SP:C40H1.1 CE00109 OVARIAN PROTEIN ;	Homo sapiens mRNA for secreted modular calcium-binding protein (smoc1 gene)	601155323F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3138989 51	qk24c08.y5 NCI_CGAP_Kld3 Homo saplens cDNA clone IMAGE:1869902 5' similar to TR:Q64362 Q64362 <sub>e</sub> FUSED TOES ;	qk24c08.y5 NCI_CGAP_Kid3 Homo sapiens cDNA clone IMAGE:1859902 5' similar to TR:Q64362 Q64362, FUSED TOES ;	PMO-CT0237-141099-001-h02 CT0237 Homo sapiens cDNA	qk24c08.y5 NCI_CGAP_Kld3 Homo caplens cDNA clone IMAGE:1869902 5' similar to TR:Q64362 Q64362 FUSED TOES ;	qk24c08.y5 NCI_CGAP_Kk3 Homo saplens cDNA clone IMAGE:1869902 5' similar to TR:Q64362 Q64362 다마드 FISED TOES :	Homo sabiens adenviocuccinate ivace gene, complete ods	ac95701.x1 Schiller meningioma Homo sapiens cDNA clone IMAGE:1953625 3'	ac95f01.x1 Schiller meninglama Homo saplens cDNA clone IMAGE:1953625.3'	Human X-linked phosphoglycerate kinase gene, exon 8	ao95f01.x1 Schiller meningioma Homo sapiens cDNA clone IMAGE:1953625 3'
	Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	, TN	LX	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	N	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	November 1	NT TO	EST HUMAN	EST_HUMAN	ᅜ	EST_HUMAN
	Top Hit Acession No.	1.0E-112 BE273103.1	1.0E-112 BE273103.1	1.0E-112 BF574235.1	1.0E-112 AL043299.1	11416777 NT	11416777 NT	1.0E-112 AU118051.1	1.0E-112 BE867635.1	1.0E-112 BE867635.1	1.0E-112 BF111413.1	1.0E-112 AW863327.1	1.0E-112 T93967.1	T93967.1	1.0E-112 AJ249900.1	1.0E-112 BE280479.1	1.0E-112 AI792603.1	1.0E-112,AI792603.1	1.0E-112 AW377670.1	1.0E-112 AI792603.1	4 PE 440 A1709209 4	1.0E-112 AL 92003.1	1.0E-113 Al365586.1	1.0E-113 Al365586.1	1.0E-113 M11965.1	1.0E-113 AI365586.1
	Most Similar (Top) Hit BLAST E Value	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112 T93967.1	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1 0 1	1.0E-112	1.0E-113	1.0E-113	1.0E-113	1.0E-113
	Expression Signal	0.83	0.83	1.51	0.68	1.49	1.49	1.79	264	2.64	2.37	16.73	1.31	1.31	3.14	224	228	2.28	4.78	1.66	4	134	6.82	6.82	2.93	3,23
	ORF SEQ ID NO:	33323	33324	33637	33847	34037	34038		35781		36736		37810	İ		38077						70/05	26987	L		27805
	SEG ID NO:		19928			20566	20566		ı	22236	23135	24096					l l	24489	1	<u> </u>	1	25484				14725
	Probe SEQ ID NO:	6773	6773	6981	7305	7491	7491	8387	9158	9158	10097	11017	11103	11103	11191	11359	11428	11428	11460	12096	1007	12727	761	761	965	1572

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Single Exon Probes Expressed in Placenta

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Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
1993	15994	28240	1.63	1.0E-113	1.0E-113 AF240775.1	NT	Homo sapiens el F4E-transporter mRNA, complete ods
2161	15297	28422	1.49	1.0E-113	1.0E-113 BF515218.1	EST_HUMAN	UI-H-BW1-ant-f-03-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE:3082878 3'
3200	16375		2.06	1.0E-113	1.0E-113 AJ223948.1	LN	Homo saplens mRNA for putative RNA helicase, 3 <sup>7</sup> end
5178	ì		39.66	1.0E-113	5453562 NT	LN	Homo saplens activating transcription factor B (B-ATF), mRNA
5178	18300	31264	36.66	1.0E-113	5453562 NT	F	Homo sapiens activating transcription factor B (B-ATF), mRNA
5359	l		2.4	1.0E-113	1.0E-113 BE780858.1	EST_HUMAN	601459465F1 NIH_MGC_67 Homo sapiens cDNA clone IMAGE:3872536 5'
5810		31870	. 6.37	1.0E-113	1.0E-113 AU127214.1	EST_HUMAN	AU127214 NT2RP2 Homo sapiens cDNA clone NT2RP2000807 6
6045		32652	3.64	1.0E-113	1.0E-113 AU140291.1	EST_HUMAN	AU140291 PLACE2 Homo sapiens GDNA clone PLACE2000274 5
6072	19264	32583	1.02	1.0E-113	1.0E-113 AF016535.1	N	Homo seplens P-glycoprotein (mdr1) mRNA, complete cds
6195	19371	32722	2.57	1.0E-113	11525737 NT	NT.	Homo sepiens UDP-N-acety-alpha-D-galactosamine.polypeptide N-acetyigalactosaminytransferase 8 (GalNac-T8) (GALNT8), mRNA
6285	19458	32809	0.8	1.0E-113	. 9961249 NT	۲	Homo acpiens ATP-binding cassette, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant B, mRNA
							Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant B,
6285		32810	0.8	1.0E-113	9861249 NT	LN.	MRNA
8448		32976	0.68	1.0E-113	F006002 NT	NT	Homo saplens glutamate receptor, fonotropic, N-methyl D-espartate 2A (GRIN2A) mRNA
8448			0.68	1.0E-113	LN[2009009	LN	Homo sapiens glutamate receptor, honotropic, N-methyl D-aspartate 2A (GRIN2A) mRNA
7474	20649	34021	0.63	1.0E-113		EST HUMAN	801162078F1 NIH_MGC_19 Homo eaplens cDNA clone IMAGE:3508362 5
7474	i		0.63	1.0E-113	1.0E-113 BE262161.1	EST_HUMAN	801162078F1 NIH_MGC_19 Homo sapiens cDNA done IMAGE:3508362 5
8083		35717	0.5	1.0E-113	8922819	F	Homo sapiens hypothetical protein FLJ11006 (FLJ11003), mRNA
9586	i i	35921	2.91	1.0E-113	1.0E-113 BE382842.1	EST HUMAN	601297709F1 NIH_MGC_19 Homo sapiens cDNA done IMAGE:3627554 5/
9238		35922	2.91	1.0E-113	1.0E-113 BE382842.1	EST_HUMAN	601297709F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3827554 5
9601			0.62	1.0E-113	BE772987.1	EST_HUMAN	RC1-FT0134-280600-021-d02 FT0134 Hama saplens oDNA
10036		36674	1.27	1.0E-113	11429367	NT	Homo sapiens transmembrane protein 2 (TMEM2), mRNA
10256		36888	1.01	1.0E-113	LN 26653697 NT	Þ	Homo sapiens RAN binding protein 7 (RANBP7), mRNA
10256		36889		1.0E-113	3997	F	Horno sepiens RAN binding protein 7 (RANBP7), mRNA
10842		37486		1.0E-113	1.0E-113 AW500517.1	EST_HUMAN	UI-HF-BN0-ak-b-10-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3077322 5
11385	24448	38107	1.89	1.0E-113	1.0E-113 AW 500519.1	EST HUMAN	UI-HF-BN0-ek-b-12-0-UI.r1 NIH_MGC_60 Homo sapiens cDNA clone IMAGE:3077328 5
11398	24457	38119	5.42	1.0E-113	1.0E-113 AW630291.1	EST HUMAN	hh81a09.y1 NCI_CGAP_GU1 Homo saplens cDNA clone IMAGE.2989179 5' similar to TR:O60327 O60337 KIAA0584 PROTEIN:
	•				ļ		hh81a09.y1 NCI_CGAP_GU1 Homo saplens cDNA clone IMAGE;2869176 5' similar to TR:060327 060322;
11396	24457	1	6.42	1.0E-113	_	EST HUMAN	KIAA0684 PROTEIN;
1.845	. !	1		1.0E-113	<u>.</u>	EST HUMAN	2988366 5'
89	13297	26314	0.75	1.0E-114	1.0E-114 Y17151.2	NT	Homo sapiens mRNA for multidrug resistance protein 3 (ABCC3)
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Oliga Lyon - Joseph III I acoma	Top Hit Descriptor	Homo saplens mRNA for multidrug resistance protein 3 (ABCC3)	Homo sapiens mRNA for multidrug resistance protein 3 (ABCC3)	yd15c01.s1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:108288 3' similar to gb:A21187 ALPHA-2-MACROGLOBULIN PRECURSOR (HUMAN);contains Alu repetitive element;	Homo saplens hypothetical profein FLJ20080 (FLJ20080), mRNA	Homo sapiens rhabdoid tumor deletion region protein 1 (RTDR1), mRNA	Homo sapiens minichromosome maintenance deficient (S. cerevislae) 3 (MCM3), mRNA	Homo sapiens nucleoporin-like protein 1 (NLP_1), mRNA	WR0-H10559-250200-002-407 HT0559 Homo sapiens cDNA	Human mRNA for KIAA0376 gene, partial cds	Homo sapisns mRNA for KIAA1276 protein, partial cds	Homo saplens mRNA for KIAA1276 protein, partial cds	Human gene for catalase (EC 1.11.1.6) exon 2 mapping to chromosome 11, band p13	601869932F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4100214 5'	Homo saplens NOD1 protein (NOD1) gene, exons 1, 2, and 3	Human interferon-alpha receptor (HulFN-alpha-Rec) mRNA, complete cds	UI-H-BI2-aho-d-01-0-UI.s1 NCI_CGAP_Sub4 Homo sapiens cDNA clone IMAGE:2726424 3'	Homo saplens sama domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplesmic domain, (semaphorin) SA (SEMA5A) mRNA	Homo saplens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain-	(TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A) mRNA	Homo sapiens clathrin, heavy polypeptide-like 1 (CLTCL1), transcript variant 2, mRNA	Homo sapiens HCMOGT-1 mRNA for sperm antigen, complete cds	AU134187 OVARC1 Homo sepiens cDNA clone OVARC1001444 5'	AU134187 OVARC1 Homo saplens cDNA clone OVARC1001444 5'	Homo sapiens NF2 gene	Homo sapiens NF2 gene	Homo sapiens gamma-aminobutyric acid (GABA) A receptor, alpha 2 (GABRA2) mRNA	qy68d06.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2017163 3'	qy68d06.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2017163 3'	Human neural cell adhesion molecule CD56 mRNA, complete cds	Homo sapiens mRNA for KIAA0561 protein, partial cds	Homo sapiens mRNA for KIAA0561 protein, partial cds
9001 - 1000	Top Hit Database Source	LΝ	NT.	EST HUMAN	N-	N	ΙN	LN.	EST_HUMAN	ΝΤ	N	L Z	L	EST_HUMAN	NT	ΝT	EST_HUMAN	Į,		LN	N	NT	EST_HUMAN	EST_HUMAN	TN	NT	ΤN	EST HUMAN	EST_HUMAN	ΤN	NT	₩.
9110	Top Hit Acession No.	1171512	/17161.2	770551.1	8923087 NT	7657529 NT	6631094 NT	TN 879073 NT	1.0E-114 BE171984.1	1.0E-114 AB002374.1	1.0E-114 AB033102.1	1.0E-114 AB033102.1	X04086.1	1.0E-114 BF206374.1	1.0E-114 AF149773.1	103171.1	1.0E-114 AW 294203.1	4506880 NT		4506880 NT	9257201 NT	1.0E-114 AB041533.1	1.0E-114 AU134187.1	1.0E-114 AU134187.1	Y18000.1	Y18000.1	4557600 NT	1.0E-114 Al363139.1	1.0E-114 Al363139.1	J63041.1	1.0E-114 AB011133.1	1.0E-114 AB011133.1
	Most Similar (Top) Hit BLAST E Value	1.0E-114 Y17151.2	1.0E-114 Y17151.2	1.0E-114 T70551.1	1.0E-114	1.0E-114	1.0E-114	1.0E-114	1.0E-114	1.0E-114	1.0E-114	1.0E-114				1.0E-114 J03171.1	1.0E-114	1.0E-114		1.0E-114	1.0E-114	1.0E-114	1.0E-114	1.0E-114	1.0E-114 Y18000.1		1.0E-114	1.0E-114	1.0E-114	1.0E-114 U63041.1	1.0E-114	1.0E-114
	Expression Signal	0.75	0.75	7.46	2.54	4.65	1.9	5.08	2.52	0.99	9.0	9.0	2.6	1.03	3.27	2.0	1.1	1.68		1.68	6.0	0.71	1.09	1.09	8.2	8.2	1.94	1.85	1.85		5.81	5.81
	ORF SEQ ID NO:		26318	26876		27569		27945	28406		26290		L	29429	30275			31727		31728	32200		33931		33983			34963	34964	35516		36590
	Exon SEQ ID NO:	13297	13297	13848	14261	14497	14825	14858	15281	15462	ı	1	1		1	17649	18401	18714		18714	18905	20088	1	Į.	20511	ì	ı	21441	21441	21977	22045	
	Probe SEQ ID NO:	93	29	982	1098	1341	1673	1706	2145	2330	2865	2865	3201	3240	4124	4510	5282	5516		5516	5712	7224	7388	7388	7434	7434	8075	8360	8360	8888	8968	8966

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Top Hit Descriptor	7189912.x1 Scares_NSF_F8_9W_OT_PA_P_S1 Homo saptens cDNA clone IMAGE:3528847.3' similar to TR:09UHN6 Q9UHN6 TRANSMEMBRANE PROTEIN 2.;	dq03f05x1 NIH_MGC_2 Homo sapiens cDNA clone IMAGE:2846744 6'	Homo saplens tyrosine kinase pp60c-src (SRC) gene, exon 12 and partial cds	Human ceruloplasmin mRNA	601449752F1 NIH_MGC_65 Homo sepiens cDNA clone IMAGE:3853500 5	Homo saplens chromosome 21 segment HS210027	MR0-HT0559-250200-002-d07 HT0559 Homo sapiens cDNA	ba73g12.y1 NIH MGC_20 Homo saplens cDNA clone IMAGE:2906086 6' similar to gb:X17206 40S RIBOSOMAL PROTEIN S4 (HUMAN); ab:M20632 Mouse LI Ren3 protein mRNA from a renefitive element	complete (MOUSE);	AV733454 cdA Homo sapiens cDNA clone cdABA08 5'	AV733454 cdA Homo sepiens cDNA clone cdABA08 6"	AV733454 cdA Homo saplens cDNA clone cdABA08 5"	AV733454 cdA Homo saplens cDNA clone cdABA08 5'	Homo saplens TNF-inducible protein CG12-1 (CG12-1), mRNA	Homo saplens hypothetical protein (DJ1042K10.2), mRNA	Homo saplens hypothetical protein (DJ1042K10.2), mRNA	Homo sapiens HLA-B associated transcript-1 (D6S81E) mRNA	Homo sapiens polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) mRNA	Homo sapiens keratin 18 (KRT18) mRNA	QV4-UM0094-300300-156-b08 UM0094 Homo saplens cDNA	q06f01.x1 NCL CGAP_GC4 Homo sapiens cDNA clone IMAGE:1946809 3' similar to TR:O00539 O00538. TTF-I INTERACTING PEPTIDE 5;	qt06f01.x1 NCI_CGAP_GC4 Homo sapiens cDNA clone IMAGE:1946809 3' similar to TR:000636 000536	Homo saplens transforming growth factor beta-activated kinase-binding profety 1 (TAB1) mRNA	Homo sapiens transforming growth factor beta-activated kinase-binding protein 1 (TAB1), mRNA	Homo sapiens ferritin, heavy polypeptide 1 (FTH1) mRNA	Homo saplens alpha-aminoadipate semialdehyde synthase mRNA, complete cds	Homo sapiens alpha-aminoadipate semialdehyde synthase mRNA, complete cds	Homo sapiens Bruton's tyrosine lynase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete ods	601579838F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3928632 5
Top Hit Database Source	EST_HUMAN	EST_HUMAN	FZ	TN	EST_HUMAN	TN	EST_HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	LN	TN	LN	LN	NT.	TN	EST_HUMAN	EST_HUMAN	EST HUMAN	L	L	TN	FZ	Ę	TN	EST_HUMAN
Top Hit Acession No.	1.0E-114 BF109832.1	1.0E-114 AW327455.1	1.0E-114 AF077754.1	M13536.1	1.0E-114 BE870004.1	1.0E-114 AL163227.2	1.0E-114 BE171984.1		1.0E-114 BE302666.1	1.0E-114 AV733454.1	1.0E-114 AV733454.1	1.0E-114 AV733454.1	1.0E-114 AV733454.1	11418041 NT	11034850 NT	11034850 NT	4758111 NT	4505938 NT	4557887 NT	1.0E-115 AW804759.1	A1339206.1	1339206.1	5174702 NT	5174702 NT	4603794 NT				
Most Similar (Top) Hit BLAST E Value	1.0E-114	1.0E-114	1.0E-114 /	1.0E-114 M13538.1	1.0E-114	1.0E-114 /	1.0E-114		1.0E-114	1.0E-114	1.0E-114	1.0E-114	1.0E-114 /	1.0E-114	1.0E-114	1.0E-114	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115 Al339206.1	1.0E-116 Al339206.1	1.0E-115	1.0E-115	1.0E-115	1.0E-115 AF229180.1	1,0E-115 AF229180.1	1.0E-115 U78027.1	1.0E-115 BE745469.1
Expression Signal	0.87	1.3	2.67	1.36	1.02	1.11	1.18		4.31	8.11	8.11	6.28	6.28	4.63	2.75	2.75	3.06	1.09	18.42	2.02	1.68	1.68	8	e	15.24	1.15	1.15	1.31	1.13
ORF SEQ ID NO:	36022		34621				37415			38197	38198	38522	38523		31975	31976	26264	26391		26552	26766	26767	27041	27042	27044	27823	27824	28140	28400
Exan SEQ ID NO:	22459				23378	23389	23795		24106	24525	24525	24831	24831	28187	25616	25616	13262	13358	13362	13519	13742	13742	13988	13988	13990	14742	14742	15032	15278
Probe SEQ ID NO:	9384	9614	9662	9748	10343	10364	10762		11027	11466	11468	11842	11842	12643	12936	12936	24	132	136	303	549	548	808	808	811	1590	1590	1888	2142

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	Top Hit Descriptor	6015798338F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3928832 5'	Homo sapiens KIAAQ442 mRNA, partial cds	Homo sapiens testican-1 mRNA, complete cds	QV4-UM0094-300300-156-b08 UM0094 Homo saplens cDNA	Homo sapiens mRNA for alpha-tubulin 8 (TUBA8 gene)	Homo sapiens mRNA for alpha-tubulin 8 (TUBA8 gene)	Homo sapiens partial TTN gene for titin	Homo sapiens mRNA for KIAA0350 protein, partial cds	Homo sapiens sir2-like 3 (SIRT3), mRNA	Homo saplens EphA4 (EPHA4) mRNA	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes	Homo sapiens chromosome 21 segment HS21C088	Homo sapiens chromosome 21 segment HS21C06B	Homo sapiens putative psihHbC pseudogene for hair keratin, exons 1 to 9	Homo saplens Interleukin 1 receptor, type I (IL1R1) mRNA	Homo sapiens mRNA for KIAA0768 protein, partial cds	EST382416 MAGE resequences, MAGK Homo sapiens cDNA	602119346F1 NIH_MGC_56 Homo sapiens cDNA clone IMAGE:4276738 51	Homo sapiens similar to ER to nucleus signalling 1 (H. sapiens) (LOC63433), mRNA	Homo saplens similar to ER to nucleus signalling 1 (H. saplens) (LOC63433), mRNA	ви84g01.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2519568 3' similar to gb:L07807	eu64g01.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2519568 3' similar to gb:L0780 <u>7.</u> DYNAMIN-1 (HUMAN);	Homo sapiens sperm surface protein (HSS), mRNA	Homo saplens sperm surface protein (HSS), mRNA	Homo sapiens similar to ribosomal protein S26 (H. sapiens) (LOC63436), mRNA	Homo sapiens KIAA0054 gene product; Helicase (KIAA0054), mRNA	Homo capienc KIAA0054 gene product, Helicace (KIAA0054), mRNA	yd80b08.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA done IMAGE:115085 5' similar to SP:DPOG_YEAST P15801 DNA POLYMERASE GAMMA;	oz31a06.x1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:1676914 3'	oz31a06.x1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:1676914.3'
	Top Hit Database Source	EST_HUMAN	NT	NT	EST HUMAN	Z	FN	Z	NT	N	N	Z	NT	N	N	N	N	TN	EST_HUMAN	EST_HUMAN	Ŋ	IN	EST HUMAN	EST HUMAN	٦.	LN	Ę	Z	NT L	EST_HUMAN	EST HUMAN	EST_HUMAN
6	Top Hit Acession No.	1.0E-115 BE745489.1	1.0E-115 AB007902.1	1.0E-115 AF231124.1	1.0E-115 AW804759.1	1.0E-115 AJ245922.1	1.0E-115 AJ245922.1	1.0E-115 AJ277892.1	1.0E-115 AB002348.2	6912659 NT	4758279 NT	1.0E-115 AL096857.1	1.0E-115 AL096857.1	1.0E-115 AL163268.2	1.0E-115 AL163268.2	/19215.1	4504658 NT	1.0E-115 AB018311.1	1.0E-115 AW970335.1	1.0E-115 BF665387.1	11425128 NT	11425128 NT	1.0E-115 AI928799.1	N928799.1	11426786 NT	11426786 NT	11426038 NT	7661883 NT	7661883 NT	186774.1	1076598.1	A1076598.1
	Most Similar (Top) Hit BLAST E Value	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115 /	1.0E-115	1.0E-115	1.0E-115 Y19215.1	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-115 Al928799.1	1.0E-115	1.0E-115	1.0E-115	1.0E-115	1.0E-116	1.0E-115 T86774.1	1.0E-115 AI076598.1	1.0E-115 AI076598.1
	Expression Signal	1.13	1.1	1,11	1.03	2.88	2.88	8.	4.2	2.49	4.28	2.86	2.86	2.99	2.99	1.01	1.23	0.92	2.8	76.0	1.74	1.74	1.15	1,16	0.68	0.68	9.48	1.68	1.68	0.75	1.24	1.24
	ORF SEQ ID NO:	28401	28411	28631		29365	29366	29742		30647	30674	30918	30919	31132	31133	31149	31391	31425	31642	31754	32136	32137	32304	32305	32919	32920	33064	33204	33205	33543		
	SEQ ID NO:	15278	15286	15505	15090	15359	18359	16726	17305	17660	17695	17932	17932	18155	18155	18172	18421	18460	18663	18737	18853	18853	18998	18998	19560	19560	19690	19817	19817	l	20505	1 E
	Probe SEQ ID NO:	2142	2150	2374	2912	3184	3184	3561	4153	4521	4557	4797	4797	5028	5026	5044	5304	5347	5463	5540	5659	5659	5808	5808	6391	6391	6525	6858	6858	7074	7428	7428

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יישי בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים בייים ביי	. Top Hit Descriptor	DKFZp43400127_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp43400127 5'	Homo sapiens chromosome 2 open reading frame 3 (C2ORF3), mRNA	Homo sepiens very long chain acyl-CoA dehydrogenase gene, exons 1-20, complete cdc	801469158F1 NIH_MGC_87 Home sapiens cDNA clone IMAGE:3872247 6'	QV0-BT0283-090200-097-h03 BT0283 Homo sapiens cDNA	QV0-BT0263-090200-097-h03 BT0263 Homo sepiens cDNA	228807.r.1 Soares_NhHMPu_S1 Home sapiens cDNA clone IMAGE:811789 5	Zx98d07.r1 Scares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:811789 5'	Human mRNA for KIAA0383 gene, partial cds	Humen mRNA for KIAA0383 gene, partial cds	Homo sepiens latent transforming growth factor beta binding protein 2 (LTBP2) mRNA	Homo sapiens latent transforming growth factor beta binding protein 2 (LTBP2) mRNA	601144863F2 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3160502 5'	DKFZp586K1824_r1 586 (synonym: hute1) Homo sapiens cDNA clone DKFZp586K1824	Homo sapiens hypothetical protein (DJ328E18.C1.1), mRNA	601307146F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE;3641603 5'	601307146F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3641603 5'	7n17e09.x1 NCI_CGAP_Bm23 Homo sapiens cDNA clone IMAGE:3564785 3' similar to SW:ZP3A_HUMAN P21754 ZONA PELLUCIDA SPERM-BINDING PROTEIN 3A PRECURSOR:	UI-H-BW0-alo-a-07-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2729772.3'	EST188814 HCC cell line (matastasis to liver in mouse) II Homo sapiens cDNA 5 end similar to dynein, Ilgiter chain 1, cytoplasmic	601499514F1 NIH_MGC_70 Hamo sapiens cDNA clane IMAGE:3901563 5'	601499514F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3901563 5'	hv36s06.x1 NCI_CGAP_Lu24 Homo saptens cDNA clone IMAGE:3175474 3' similar to TR:Q9Z2H4	Homo saplens chloride channel CLO4 (CIO4) mRNA, complete cds	Homo sapiens CGI-105 protein (LOC51011), mRNA	Homo saplens mRNA for KIAA0930 protein, partial cds	Homo saplens hypothetical protein FLJ10052 (FLJ10052), mRNA	on10b05.s1 NCI_CGAP_Lu6 Homo eaplene cDNA clone IMAGE:1556241 3' similar to WP:E04F6.2 CE01214 ;	Homo sapiens glutamate receptor, bnotropic, kalnate 1 (GRIK1) mRNA	AU133399 NT2RP4 Homo sapiens cDNA clone NT2RP4001891 5"
	Top Hit Database Source	EST_HUMAN	N	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	N-	FZ	LN	N	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę	LN	ΝΤ	LΝ	EST HUMAN	N	EST_HUMAN
6	Top Hit Acession No.	1.0E-118 AL043761.1	11431050 NT	1.0E-118 L46590.1	1.0E-118 BE781223.1	1.0E-118 BE062855.1	1.0E-118 BE062855.1	1.0E-118 AA443024.1	1.0E-118 AA443024.1	1.0E-118 AB002381.1	1.0E-118 AB002381.1	4557732 NT	4557732 NT	1.0E-118 BE263134.1	1.0E-118 AL048474.2	7857018 NT	1.0E-118 BE736213.1	1.0E-118 BE736213.1	1.0E-118 BF195407.1	1.0E-118 AW296351.1	1.0E-118 AA315007.1	1.0E-118 BE908676.1	·1.0E-118 BE908676.1	1.0E-118 BE218235.1	1.0E-119 AF170492.1	TN05607	1.0E-119 AB023147.1	8922205 NT	1.0E-119 AA916760.1	4504116 NT	1.0E-119 AU133399.1
	Most Similar (Top) Hit BLAST E Value	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.05-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0€-118	1.0E-118	1.0E-118	· 1.0E-118	1.0E-118	1.0E-119	1,0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119
	Expression Signal	+	4.7	0.72	1,95	7	7	1.1	1.1	0.94	0.94	1.94	1.94	5.15	0.55	1.07	1.23	1.23	1.75	0.59	3.75	2.92	2.82	1.81	2.48	0.93	2.96	1.01	2.17	1.22	3.96
	ORF SEQ ID NO:			34339							35489						37184		37228		38290		38540		27007					30227	
	Econ SEQ ID NO:		20833						1	21952					22343			23578	23621	1 1	24610		1	25052	13956			16346	16485		1
	Probe SEQ ID NO:	7246	7778	7790	8159	8577	8577	8583	8583	8873	8873	8918	8918	9236	9266	9792	10541	10541	10586	10752	11555	11855	11855	12071	776	1082	1987	3171	3312	4063	5453

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Top Hit Descriptor	Human neurofibromin (NF1) gene, complete cds	RC1-NN0073-250800-018-g06 NN0073 Homo sapiens cDNA	AV683731 GKC Homo saplens cDNA clone GKCDHB03 5'	DKFZp762M0710_r1 762 (synonym: hmel2) Homo sapiens cDNA clone DKFZp762M0710 5'	DKFZp76ZM0710_r1 762 (synonym: hmel2) Homo sapiens cDNA clone DKFZp76ZM0710 5'	qb77c09.x1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:1706128 3' similar to Sw:K1CJ MOUSE P02535 KERATIN, TYPE I CYTOSKELETAL 10 ;	Homo sapiens matrix metalloprotainase 28 (MMP28) mRNA, complete cds	Homo sapiens matrix metalloproleinase 28 (ММР28) mRNA, complete cds	tm23f10.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2157451 3'	Human c-fes/fps proto-oncogene	EST386296 MAGE resequences, MAGM Homo sapiens cDNA	601592005F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3946081 5'	601280564F1·NIH_MGC_39 Hamo sapiens cDNA clone IMAGE:3622526 5'	Homo sapiens melanoma differentiation associated protein-5 (MDA5), mRNA	Homo sapiens KIAA0477 gene product (KIAA0477), mRNA	qf43a11.x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1752764 3' similar to TR:Q13458 Q13458 GUANINE NUCLEOTIDE EXCHANGE FACTOR PROTEIN TRIO.;	as32f05,r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:814977 5'	Homo sapiens partiai IL-12RB1 gene for IL-12 receptor beta1 chain, exons 16-17	Homo sapiens hypothetical protein FLJ10206 (FLJ10206), mRNA	Homo sapiens hypothetical protein FLJ10208 (FLJ10208), mRNA	601347190F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3687887 5	Homo sapiens Scd mRNA for stearcy/-CoA desaturase, complete cds	Homo sapiens partial IL-12RB1 gene for IL-12 receptor beta1 chain, exons 16-17	Homo sapiens partial IL-12RB1 gene for IL-12 receptor beta1 chain, exons 16-17	602186072F1 NIH_MGC_45 Homo saplens cDNA clone IMAGE:4310633 5'	RC3-CT0212-240999-011-f03 CT0212 Homo sapiens cDNA	H. sapiens DNA for endogenous retroviral like element	Homo saplens mRNA for KIAA0758 protein, partial cds	Homo sapiens synaptojanin 1 (SYNJ1), mRNA	Homo sapiens Intersectin 2 (SH3D1B) mRNA, complete cds	Homo sapiens intersectin 2 (SH3D1B) mRNA, complete cds	ly/40g12.r1 Scares melanccyte 2NbHM Homo sapiens cDNA clone IMAGE:273766 5
Top Hit Database Source	N-	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	TN	E	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	N	N N	EST_HUMAN	EST HUMAN	NT	F	Þ	EST_HUMAN	TN	ΙN	TN	EST_HUMAN	EST_HUMAN	٦	NT	NT L	ΝΤ	TN	EST_HUMAN
Top Hit Acession No.	/B9914.1	1.0E-119 BE936121.1	1.0E-119 AV693731.1	1,134903.1	1134903.1	1150703.1	\F315683.1	AF315683.1	1476732.1	(06292.1	1.0E-119 AW974193.1	1.0E-119 BE796614.1	1.0E-119 BE615150.1	11545921 NT	11036643 NT	1.0E-119 AI149796.1	1.0E-119 AA465124.1	1.0E-119 AJ297701.1	11426837 NT	11425837 NT	1.0E-119 BE561967.1	1.0E-119 AB032261.1	1.0E-119 AJ297701.1	1.0E-119 AJ297701.1	1.0E-119 BF569571.1	1.0E-119 AW847519.1	X89211.1	1.0E-120 AB018301.1	4607334 NT	1,0E-120 AF248540.1	1.0E-120 AF248540.1	N44873.1
Most Similar (Top) Hit BLAST E Value	1.0E-119 M89914.1	1.0E-119 E	1.0E-119 A	1.0E-119 AL134903.1	1.0E-119 AL134903.1	1 0E-119 A1150703.1	1.0E-119 AF315883.1	1.0E-119 AF315683.1	1.0E-119 AI476732.1	1.0E-119 X06292.1	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119	1.0E-119 X89211.1	1.0E-120	1.0E-120	1.0E-120	1.0E-120	1.0E-120 N44873.1
Expression Signal	16.48	3.28	1.61	0.86	0.86	6.7	0.71	0.71	1.22	2.39	4.01	1.09	0.93	0.46	0.96	0.61	2.29	1.13	0.77	0.77	0.59	0.73	1.58	1.58	6.62	5.48	3.03	0.68	0.97	2.74	2.74	3.26
ORF SEQ ID NO:	31645									33133		34116	L		36750						37497											
Exan SEQ ID NO:	18666	1	1	18900			i	19583	1	ı	19761			ŀ		<u> </u>		23766		ı	ı	23882	l		1	26098	L	1_	ı	ì	ļ ļ	14609
Probe SEQ ID NO:	5466	5470	5550	5707	5707	8268	6414	8414	6461	6899	9801	7568	8862	2962	10111	10311	10482	10722	10766	10788	10844	10849	11308	11308	11479	12490	12845	247	312	1066	1086	1456

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	П		7	Т	Т	Т	Т	Т	Т	Т	Т	Т	٦	Т	Т	Т	_	П		1	4	1.1	j	F	, H	J.,	7	Ĺ	ij	l file	ī
Top Hit Descriptor	Homo sapiens inositol polyphosphate-4-phosphatase, type I, 107kD (INPP4A), splice variant a, mRNA	Homo sepiens inositol polyphosphato-4-phosphatase, type I, 107kD (INPP4A), splice variant a, mRNA	Homo sapiens metabotropic glutamate receptor 1 beta (mGluR1beta) mRNA, complete cds	602014759F1 NCL_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4150286 5'	602014759F1 NCI_CGAP_Brn64 Homo sapiens cDNA done IMAGE:4150286 5'	Homo sapiens hHb3 gene for hair keratin, exons 1 to 9	Homo saplens hHb3 gene for hair keratin, exons 1 to 9	Homo sapiens mRNA for KIAA1337 protein, partial cds	Homo sapiens mRNA for KIAA1337 protein, partial cds	Homo sapiens adaptor-related protein complex AP-4 epsilon subunit mRNA, complete cds	qx57b01.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2005417 3'	H.sapiens ECE-1 gene (exon 17)	hu09f08.x1 NCI_CGAP_Lu24 Homo saptens cDNA clone IMAGE:3166119 31	601140485F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3049820 5'	Human glucose transporter (GLUT4) gene, complete cds	Homo saplens Xq pseudoautosomal region; segment 2/2	RC3-NN0066-270400-011-f02 NN0066 Homo saplens cDNA	RC3-NN0066-270400-011-102 NN0068 Homo sapiens cDNA	Homo sapiens gamma-aminobutyric acid (GABA) A receptor, alpha 2 (GABRA2), mRNA	Homo saplens DNA for prostacyclin synthase, exon 8	Homo saplens DNA for prostacyclin synthase, exon 8		is Homo sapiens cDNA 5' similar to TR:075457 075457 CYTOSOLIC	PHOSPHOLIPASE AZ-GAMMA.:	Homo sapiens COX11 (yeast) homolog, cytochrome c oxidase assembly protein (COX11), mKNA	Homo sapiens UDP-glucuronosytransferase 2B4 precursor (UGT2B4) mRNA, UGT2B4*E458 allele,	complete cds	Homo sapiens chloride intracellular channel 4 like (CLIC4L), mRNA	yv74c01.s1 Soares fetal fiver spleen 1NFLS Homo sapiens cDNA done IMAGE:248448 3	Homo sapiens T-cell lymphoma Invasion and metastasis 1 (TIAM1), mRNA	Homo sepiens intersectin snort isotom (11 SN) minnA, complete cas
Top Hit Database Source	NT	NT	NT		I_HUMAN	NT	뒫	L	NT	NT	EST_HUMAN	NT	EST HUMAN	EST_HUMAN	IN	NT	EST_HUMAN	EST_HUMAN	NT	IN	N	EST_HUMAN		EST_HUMAN	N		덛	.	EST HUMAN	LN.	Ł
Top Hit Acessian No.	4755139 NT	4755139 NT	.76631.1	1.0E-121 BF344378.1	1.0E-121 BF344378.1	Y19208.1	Y19208.1	1.0E-121 AB037758.1	1.0E-121 AB037758.1	1.0E-121 AF155156.2	1.0E-121 Al263294.1	X91937.1	1.0E-121 BE222250.1	1.0E-121 BE271424.1	M91463.1	1.0E-121 AJ271736.1	1.0E-121 AW898086.1	1.0E-121 AW898088.1	11436217 NT	D84122.1	D84122.1	1.0E-121 AW 583858.1		1.0E-121 AW 583858.1	11427788 NT		1.0E-121 AF064200.1	7330334 NT	N59624.1	11626176 NT	1.0E-122 AF114488.1
Most Similar (Top) Hit BLAST E Value	1.0E-121	1.0E-121	1.0E-121 L.76631.1	1.0E-121	1.0E-121	1.0E-121 Y19208.1	1.0E-121 Y19208.1	1.0E-121	1.0E-121	1.0E-121	1.0E-121	1.0E-121 X91937.1	1.0E-121	1.0E-121	1.0E-121 M91463.1	1.0E-121	1.0E-121	1.0E-121	1.0E-121	1.0E-121 D84122.1	1.0E-121 D84122.1	1.0E-121		1.0E-121	1.0E-121		1.0E-121	1.0E-121	1.0E-121 N59624.	1.0E-122	1.0E-122
Expression Signal	-	+	1.22	1.07	1.07	6.8	5.8	1.23	. 1.23	8.25	1.76	3.42	0.84	0.73	9.0	96.0	0.79	0.79	1.07	2.51	2.51	1.02		1.02	3.45		1.94	5.74	1.93		
ORF SEQ ID NO:	28269	28270		28880							30571				33308		31483								37733			37919			
Exon SEQ ID NO:	15164	15164	15304	15766	15766	16325	16325	16790	16790	16929	17590	18219	18584	ı	19913	ı	1	1	21205	ì	Ι.	1	ŀ		24094	١	24102	1	ı	i i	13557
Probe SEQ ID NO:	2023	2023	2169	2643	2643	3150	3150	3626	3628	3768	4450	5091	5382	5679	6757	7028	7102	7102	8123	8127	8127	10062		10062	11015		11023	11211	11243	278	346

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ı		T	T	Т	T	T	Τ	T	T	T	g	T	Τ	Ţ	T	T	T	Ť	T	1	T	T	T	T	T	T	Ţ	T	7
	Top Hit Descriptor	Homo sapiens T-cell lymphona invasion and metastasis 1 (TIAM1), mRNA	Homo saplens intersectin short isoform (ITSN) mRNA, complete cds	Human kapbe-immunodobulin demiline bseudonene (Chr22 4) variable region (subsequent) V Lanna III	Homo sablens dysteine-rich repeat-containing profein SS2 precinsor mRNA complete and	Homo saplens collagen, type XII, alpha 1 (COL12A1), mRNA	Homo sapiens collagen, type XII, alpha 1 (COL12A1), mRNA	601497032F1 NIH MGC 70 Homo saniens cDNA clime IMAGE 3890358 F1	601896173F1 NIH MGC 19 Homo sapiens cDNA clone IMAGE:4125234 51	601896173F1 NIH_MGC_19 Homo saplens cDNA clone IMAGE:4125234 5'	Homo sapiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete eds	Homo sapiens amyloid beta (A4) precursor protein (protease nextra-)   Alzheimer risseae) (ADD)	UI-HF-BNO all-a-03-0-UI-T NIH MGC 50 Home serviens CDNA clone IMAGE: 3-720-04 E.	601113567F1 NIH MGC 16 Homo saniens cDNA circus IMA GF 3354232 F.	601113567F1 NIH MGC 18 Homo sepiens cDNA clone IMA GF:3354232 5'	ak49h06.s1 Soares testis NHT Homo saplens cDNA clone IMAGE 1409339 3	Homo sapiens mRNA for doublesex and mab-3 related transcription factor 1 (DMRT1)	Homo saplens lethal glant larvae (Drosophila) homolog 2 (LLGL2), mRNA	qγ32h07.x1 NCL CGAP_Bm23 Homo sepiens cDNA done IMAGE:2013767 3' similar to SW:MTA1_HUMAN Q13330 METASTASIS-ASSOCIATED PROTEIN MTA1	9/32h07.x1 NCL CGAP_Brn23 Homo sapiens cDNA done IMAGE:2013757 3' similar to SW:MTA1 HUMAN Q13330 METASTASIS-ASSOCIATED PROTEIN MTA1	Novel human gene mapping to chomosome X, Isoform of dbl (proto-oncogene)	EST367904 MAGE resequences, MAGD Homo sapiens cDNA	Homo sapiens gene for 8120, expn 10	Homo saplens phosphomannomutase 1 (PMM1), mRNA	602018058F1 NCI_CGAP_Bm67 Homo septens cDNA clone IMAGE:4153670 5	602018058F1 NCI_CGAP_Bm67 Homo sapiens cDNA clone IMAGE:4153670 5'	Homo sepiens chromosome 21 segment HS210049	Homo sapiens inner membrane protein, mitochondrial (mitofilin) (IMMT), mRNA	Homo sepiens phosphatidylinositol-4-phosphate 6-kinase, type II, beta (PIP5K2B) mRNA, and translated
	Top Hit Datebase Source	LN	N	I.Z	NT	LN FN	TN	EST HUMAN	EST HUMAN	EST_HUMAN	FZ	FZ	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	LZ.	L	EST_HUMAN	EST HUMAN	L	EST HUMAN	NT	L'Z	EST_HUMAN	EST_HUMAN	ĻΝ	NT	F.
	Top Hit Acession No.	11526176 NT	1.0E-122 AF114488,1	1.0E-122 M20707.1	I.0E-122 AF167706.1	11418424 NT	11418424 NT	.0E-122 BE906024.1	.0E-122 BF316170.1	.0E-122 BF316170.1	.0E-122,AF264717.1	4502166 NT	.0E-122 AW 504645.1	.0E-122 BE256039.1	.0E-122 BE256039.1	.0E-122 AA868671.1	.0E-122 AJ276801.1	11424216 NT	.0E-122 AI359618.1	.0E-122 Al359618.1	.0E-122 AL117234.1	.0E-122 AW955834.1	.0E-122 AB024058.1	11418187 NT	.0E-123 BF345274.1	.0E-123 BF345274.1	.0E-123 AL163249.2	. 5803114 NT	040504A
	Most Similar (Top) Hit BLAST E Value	1.0E-122	1.0E-122	1.0E-122	1.0E-122	Γ	1.0E-122	-	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122,	1.0E-122	1.0E-122	1.0E-123	1.0E-123	1.0E-123	1.0E-123	1 0E-123
	Expression Signal	2.56	3.34	5.19	18.7	1.61	1.61	6.92	7.43	7.43	4.87	3.81	1.41	1.2	6.8	0.64	9.0	1.17	0.96	0.98	0.64	2.12	1.83	5.28	1.53	1.53	6.18	3.36	388
	ORF SEQ ID NO:	26610	27146		Ì		27996	28110	28810	28811	29096	31076		32164	32164	33904	35614	35849	36159	36160	36983	37939	38436		27019	27020	27263	27270	27491
	Exon SEQ ID NO:		14080	14406	14878	14899	14899	15003	15685	15685	16080	18100	18232	18875	18875	20442	22075	22306	22589	22589	23373	24302	24744	25178	13968	13968	14206	14213	14424
	Probe SEQ ID NO:	368	902	1247	1728	1750	1750	1857	2560	2560	2901	4971	5104	5681	9689	7363	8996	9228	9524	9524	10338	11233	11667	12231	789	289	1038	1047	1267

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	Top Hit Descriptor	Homo sapiens phosphatidylnositol-4-phosphate 5-kinase, type II, beta (PIPGK2B) mRNA, and translated products	Homo sapiens similar to sex comb on midleg (Drosophila)-ilke 2 (H. sapiens) (LOC63782), mRNA	Human amelogenin (AMELY) gene, 3' end of cds	Human amelogenin (AMELY) gene, 3' end of cds	Human amelogenin (AMELY) gene, 3' end of cds	Homo sapiens RAB9-like protein (LOC51209), mRNA	Homo sapiens glutaminyl-peptide cyclotransferase (glutaminyl cyclese) (GPCT), mRNA	Homo sapiens retinaldehyde-binding protein (CRALBP) gene, complete  cds	Homo sapiens retinaldehyde-binding protein (CRALBP) gene, complete cds	601591108F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3945433 5	AU118435 HEMBA1 Home sapiens cDNA clone HEMBA1003591 5'	удваюЗ.:1 Soares felal liver spleen 1NFLS Homo capiene cDNA clone IMAGE:202444 5' similar to SP:YAK1 YEAST P14680 PROTEIN KINASE YAK1;	Human growth hormone releasing hormone gene, exon 7	Human hBRAVO/Nr-CAM precursor (hBRAVO/Nr-CAM) gene, complete cds	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 2 (HS3ST2), mRNA	Homo saplens 2'-5'oligoadenylate synthetase 2 (OAS2), mRNA	601152815F1 NIH_MGC_19 Homo captens cDNA clone IMAGE:3509162 5'	Homo sapiens hypothetical protein FLJ20184 (FLJ20184), mRNA	yx89d11.r1 Soares melanocyte 2NbHM Homo saptens cDNA clone IMAGE;268917 5' stritiar to PIR;S49611 S49611 protein kinase PkpA - Phycomyces blakesleearus;	y&9d11.r1 Soares melanocyte ZNbHM Homo sapions cDNA clone INAGE:269917 5' similar to PIR:S49611 S49611 protein kinase PkpA - Phycomyces blakesleeanus ;	AU131881 NT2RP3 Homo sapiens cDNA clone NT2RP3003409 5'	AU131881 NT2RP3 Homo sapiens cDNA clone NT2RP3003409 6'	RC4-BT0311-251199-012-a07 BT0311 Homo saplens cDNA	Homo sapiens mRNA for KIAA0454 protein, partial cds	Oryctolegus cuniculus New Zealand white elongation factor 1 alpha (Rabefla2) mRNA, complete cds	602088791F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4250879 5'	602086791F1 NIH_MGC_83	Ut-H-Bi3-all-f-10-0-Ut.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2737291 31	UI-H-Bi3-all-f-10-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2737291 3
EXOII FIODE	Top Hit Database Source	IN	LN	TN	NT	±Ν	TN	LN	NT	LN	EST_HUMAN	EST_HUMAN	EST HUMAN	LN	F	F	LN	EST_HUMAN	ΤN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN⊤	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
ignic.	Top Hit Acession No.	4505818 NT	11422479 NT	A55419.1	A55419.1	A55419.1	7705962 NT	6912617 NT	34219.1	34219.1	1.0E-123 BE799746.1	1.0E-123 AU118435.1	153198.1	U42224.1	U56258.1	11525833 NT	11436439 NT	1.0E-123 BE263001.1	11437202 NT	V35841.1	V35841.1	1.0E-123 AU131881.1	1.0E-123 AU131881.1	1.0E-123 AW371924.1	1.0E-123 AB007923.1	J09823.1	1.0E-123 BF677292.1	1.0E-123 BF677292.1	1.0E-123 AW450931.1	1.0E-123 AW450931.1
	Most Similar (Top) Hit BLAST E Value	1.0E-123	1.0E-123	1.0E-123 M55419.1	1.0E-123 M55419.1	1.0E-123 M55419.1	1.0E-123	1.0E-123	1.0E-123 L34219.1	1.0E-123 L34219.1	1.0E-123	1.0E-123	1.0E-123.H53198.1	1.0E-123		1.0E-123	1.0E-123	1.0E-123	1.0E-123	1.0E-123 N35841.1	1.0E-123 N35841.1	1.0E-123	1.0E-123	1.0E-123	1.0E-123	1.0E-123 U09823.1	1.0E-123	1.0E-123	1.0E-123	1.0E-123
	Expression Signal	3.83	96.0	3.24	3.24	3.24	4.21	0.71	1.62	1.62	1.76	1.93	<b>5</b>	1.39	0.71	0.83	131	222	0.6	9:0	9.0	0.70	0.70	0.7	2.07	16.77	4.91	4.91	2.71	2.71
	ORF SEQ ID NO:	27492	28286	28427	28428	28429		29512	31799	31800	32185	33146	33718		33887	34109	34374		34393	34538		34701			36279	36325	L			38799
	Exan SEQ ID NO:	14424	15176	15301	15301	15301	1 1	16495	18760	18760	18893	19768	20278	20290	20424	20634	20875	20884	20891	21025	ļ	21182	21182	١_	_	·	25004			25094
	Probe SEQ ID NO:	1267	2035	2166	2166	2166	2389	3322	5563	5563	2699	6598	7143	7156	7344	7562	7820	7829	7836	7975	7975	8100	8100	8732	9569	9705	12020	12020	12114	12114

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Single Exon Probes Expressed in Placenta

Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
279		26527	1.02	1.0E-124	4507500 NT	FZ	Homo saplens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA
279		26528	1.02	1.0E-124	TN 0057054	LΝ	Homo saplens T-cell lymphome invasion and metastasis 1 (TIAM1) mRNA
285	13503		1.49	1.0E-124 D87675.1		LN L	Homo eaplens DNA for amyloid precursor protein, complete cds
498	13693	26725	226	1.0E-124	1.0E-124 AL163246.2	NT	Homo sapiens chromosome 21 segment HS21C048
709	13891	26926	4	1.0E-124	1.0E-124 AA397661.1	EST HUMAN	ZB1b04.r1 Stratagene schizo brain S11 Homo sepiens CDNA clone (MAGE:728719 6' similar to TR:G300482 G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);
709	13891	26927	4	1.0E-124	1.0E-124 AA397551.1	EST HUMAN	281b04.r1 Stratagene schizo brain S11 Homo sepiens cDNA clone IMAGE:728719 5' similar to TR:G300482 G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT):
111	13957	27008	3.72	1.0E-124	1.0E-124 AF155654.1	N	Human putative ribosomal protein S1 mRNA
831	14009	27065	206	1.0E-124	4507500 NT	Ę	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA
927	14102	27165	267	1.0E-124	7705446 NT	LN	Homo sapiens hypothetical protein (HSPC088), mRNA
1343	14499	27572	0.68	1.0E-124	11419092 NT	ŁZ	Homo sepiens ring finger protein (RNF), mRNA
1377	14532	27605	6.42	1.0E-124	1.0E-124 AF274892.1	FX	Homo saplens glucose transporter 3 gene, exons 9, 10, and complete cds
1377		27606	6.42	1.0E-124	1.0E-124 AF274892.1	NT	Homo sepiens glucose transporter 3 gene, exons 9, 10, and complete ods
1858	15004	28111	4.06	1.0E-124	1.0E-124 AJ131712.1	NT ·	Homo sapiens mRNA for nucleolar RNA-helicase (noH61 gene)
2123		28379	2.16	1.0E-124	1.0E-124 BE879524.1	EST_HUMAN	601491715F1 NIH_MGC_69 Homo sapiens cDNA clone IMAGE:3893954 5
2528		28777	96:0	1.0E-124	1.0E-124 AB024069.1	NT	Homo saplens gene for B120, exon 11
3579		29761	1.06	1.0E-124 S78684.1		NT	Homo sapiens ATP-sensitive inwardly rectifying K-channel subunit (KCNJ6/BIR1) gene, exon
3579	18744	29762	1.06	1.0E-124	1.0E-124 S78684.1	L	Homo sepiens ATP-sensitive inwardly rectifying K-channel subunit (KCNJ6/BIR1) gene, exon
3739		29904	1.24	1.0E-124 X13794.1		NT	H.sapkens lactate dehydrogenase B gene exon 1 and 2 (EC 1.1.1.27) (and joined CDS)
4008		30170	0.64	1.0E-124	TN 0057054	NT	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA
4179		30321	0.60	1.0E-124	4504116 NT	NT	Homo sapiens glutamate receptor, tonotropic, kainate 1 (GRIK1) mRNA
4187		30330	0.98	1.0E-124	4504116 NT	NT	Homo sepiens glutamete receptor, ionotropio, kainete 1 (GRIK1) mRNA
4866		30983	2.51	1.0E-124	1.0E-124 AB024069.1	IN	Homo saplens gene for B120, exon 11
6050			15.32	1.0E-124		NT	Human fibronectin gene extra type III repeat (EDII), exon x+1
6205	18326	31296	0.74	1.0E-124	1.0E-124 AW963390.1	EST_HUMAN	EST375463 MAGE resequences, MAGH Homo sepiens cDNA
5412		31588	10.49	1.0E-124	8922337 NT	NT	Homo saplens hypothetical protein FLJ10300 (FLJ10300), mRNA
62/9	18981	32284	1.2	1.0E-124	4506786 NT	N-	Homo sapiens iQ motif containing GTPase activating protein 1 (IQGAP1) mRNA
600B	19193	32511	6.89	1.0E-124	1.0E-124 BF696135.1	EST_HUMAN	602124644F1 NIH_MGC_56 Homo sapiens cDNA clone IMAGE:4281635 5'
6298	19471	32826	9.0	1.0E-124	1.0E-124 AV711263.1	EST_HUMAN	AV711263 Cu Homo sapiens cDNA clone CuAADF07 5'
6563	19725	33103	1.12	1.0E-124	11420654 NT	Ę	Homo sapiens ubiquitin specific protease 9, X chromosome (Drosophila fat facets related) (USP9X), mRNA
7162	1	33728	3.15	1.0E-124 Y11717.1		LN	M.musoulus mRNA for hoxa3 gene.
7287	20370	33824	0.94	1.0E-124	1.0E-124 BE271295.1	EST_HUMAN	600943771F1 NIH_MGC_8 Homo sepiens cDNA clone IMAGE:2966685 5'

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	_	_	_			_	_	_	_	_	_	_	_	_			- 1			4		_	-1	ıt			:1 E	3 777 5
Top Hit Descriptor	600943771F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:2966585 5'	ac08h05.s1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA cione IMAGE:855897 3'	Homo saplene ribosomal profein L5 (RPL5) mRNA	hg94a09.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2953240 3' similar to TR:095162 095162 PEROXISOMAL SHORT-CHAIN ALCOHOL DEHYDROGENASE:	hg94809.x1 NCL_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2953240 3' similar to TR:096162 096162 PEROXISOMAL SHORT-CHAIN ALCOHOL DEHYDROGENASE.	wc43g03.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE: 2321428 3'	wc43g03.x1 NCI_CGAP_Pr28 Homo sepiens cDNA clone IMAGE:2321428 3'	AV645633 GLC Homo saplens cDNA clone GLCACE04 3'	AV645633 GLC Homo saplens cDNA clone GLCACE04 3'	WI93f02.x1 NCI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2400891 3'	wi93f02.x1 NCL CGAP_Kld12 Homo sapiens cDNA clone IMAGE:2400891 3'	UI-HF-BN0-akz-b-04-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3078846 5'	Human muscle glycogen phosphorylase (PYGM) gene, exons 6 through 17	hj05c06.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2980906 3'	1/19903.x1 NCI_CGAP_Gas4 Homo seplens cDNA clone IMAGE:2141980 3' similar to TR:031662 031662	119e03.x1 NCI_CGAP_Gas4 Homo saplens cDNA clone IMAGE:2141980 3' similar to TR:O31662 O31662 YKRS PROTEIN	281604.1 Strategene schizo brain \$11 Homo sapiens cDNA clone IMAGE:728719 5' similar to TR-G300482	G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);	281b04.r1 Stratagene schizo brain S11 Home sapiens CDNA cione INAGE:728719 5 struitar to TR:G300482 G300489 BOI - ESUEDSE TDANS COINTAGE LOMA OG INET BONDA ELEMENT	Geograph of Charles and Control of Control o	Homo sapiens calcineurin binding protein 1 (KlAA0330), mRNA	Horno sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens mRNA for KIAA1172 protein, partial cds	601577981F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3928685 5'	HA0086 Human fetal liver cDNA library Homo saplens cDNA	HA0086 Human fetal liver cDNA library Homo saplens cDNA	Homo sapiens ALR-like protein mRNA, partial cds	zk33c07.s1 Sogres_pregnant_uterus_NbHPU Homo sapiens cDNA clone iMAGE.486540 3' similar to gb:X68857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);
Top Hit Database Source	EST_HUMAN	Γ	L	EST_HUMAN	EST HUMAN	Т	EST HUMAN	г	EST_HUMAN	EST_HUMAN	1			EST_HUMAN	EST HUMAN		Т	EST_HUMAN		NAMOL 101				EST_HUMAN			NT.	EST_HUMAN
Top Hit Acession No.	1.0E-124 BE271295.1	1.0E-124 AA630331.1	4506654 NT	1.0E-124 AW612108.1	1.0E-124 AW 612106.1	i	1.0E-124 AI799864.1	1.0E-124 AV645633.1	1.0E-124 AV645633.1	1.0E-124 AI767133.1		1.0E-124 AW 503755.1		1.0E-124 AW 665663.1	1.0E-124 AI446455.1		T	1.0E-124 AA397551.1	4 05 424 0 0003554 4	T	17862	11417862 NT	1.0E-125 AB032998.1	1.0E-125 BE743922.1	1.0E-125 Al110656.1	1.0E-125 AI110656.1	1.0E-125 AF264750.1	1.0E-125 AA042813.1
Most Similar (Top) Hit BLAST E Value	1.0E-124	1.0E-124	1.0E-124	1.0E-124	1.0E-124	1.0E-124	1.0E-124	1.0E-124	1.0E-124	1:0E-124	1.0E-124	1.0E-124	1.0E-124 U94776.1	1.0E-124	1.0E-124	1.0E-124		1.0E-124	101	1.0E-124	1.0E-124	1.0E-124	1.0E-125	1.0E-125	1.0E-125	1.0E-125 /	1.0E-125	1.0E-125
Expression Signal	46.0	2.38	2.73	1.24	124	0.68	0.68	1.72	1.72	77.7	7.77	1.46	1.57	3.9	2.18	2.18		4.6	9	5 8	2.36	2.36	7.32	4.69	2.02	2.02	2.42	1,45
ORF SEQ ID NO:	33825		35084	35277	35278	35996		36309	36310					38356	37575	37576		26926	70000	32004	31680				26874	26875	26968	27124
SEQ ID	[	20789		21737	21737	L		22740	22740	22848			24368	24668	23947	23947		13891	10001	Т	•	26038	1			13847	13927	14059
Probe SEQ ID NO:	7287	7725	8453	8657	8657	9363	8363	1696	9691	8086	8086	10075	11302	11617	11761	11761		12310	12240	12780	13080	13080	328	439	681	661	746	883

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Single Exon Probes Expressed in Placenta

Γ	T	Т	Т	Т	Т	Т	т-	т	Т		Т	Т	Т	Т	Т	Т	Т	7	<b>T</b>	4,	т	-	<del>T.</del>	Т	7-	<del></del>	T	<del>u</del>	44.0
Top Hit Descriptor	Homo saplens chromosome 21 segment HS21C010	Homo sapiens KIAA0744 gene product; histone deacetylase 7 (KIAA0744), mRNA	Homo saplens KIAA0022 gene product (KIAA0022), mRNA	Homo sapiens Usurpin-alpha mRNA, complete ods	Homo sapiens Usurpin-alpha mRNA, complete cds	201g09.r1 Scares_feta_liver_spleen_1NFLS_S1 Homo saplens cDNA clone IMAGE:429568 5"	2453c07.s1 Seares, pregnant, uterus, NbHPU Homo septiens cDNA clone IMAGE:486640 3' similer to gb:X65857 cdist OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN):	Homo sapiens Inhibin, alpha (INHA) mRNA	Homo sapiens Inhibin, alpha (INHA) mRNA	2k33c07.s1 Soares, pregnant uterus, NbHPU Homo sepiens cDNA clone IMAGE 486540 3' similar to gb:X65857, cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	Homo sapiens zinc finger protein ZNF287 (ZNF287), mRNA	Homo eapiens zinc finger protein ZNF287 (ZNF287). mRNA	601141152F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3140798 51	602139874F1 NIH_MGC_46 Homo saplens cDNA clone IMAGE:4300770 6	Homo sapiens KIAA0985 protein (KIAA0985), mRNA	QV2-HT0577-010500-165-b06 HT0577 Homo saplens cDNA	601433472F1 NIH_MGC_72 Homo sapiens cDNA done IMAGE:3918952 5	tu67c07.x1 NCI_CGAP_Gas4 Homo saptens cDNA clone IMAGE:2256108 3' similar to WP:C45G9.2 CE01854 :	601305670F1 NIH MGC 39 Homo saplens cDNA done IMAGE:3640097 5'	601335826F1 NIH_MGC_44 Homo septens cDNA clone IMAGE:3689790 6	601335826F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3689790 5	Homo sapiene IGF-II gene, exon 5	Homo saplens IGF-II gene, exon 5	601159076F1 NIH_MGC_21 Homo sepiems aDNA clane IMAGE:3505603 5	Homo sapiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	Human chromosome 10 duplicated adrencieukodystrophy (ALD) gene segment containing exons 8-10	Himan chromosome do di nilodod edesada iloda situada (AID)	OV1-HT0638-070500-191-412 HT0638 Home saries child	QV1.HT0638-070500-191-d12 HT0638 Homo sapiens cDNA
Top Hit Database Source	LN					EST_HUMAN	EST HUMAN			EST HUMAN			EST_HUMAN 6	Г		Г	EST HUMAN		1	[-	EST_HUMAN 6	F	7	EST_HUMAN 6		F	1 2	T HUMAN	HUMAN
Top Hit Acession No.	1.0E-125 AL163210.2	7662279 NT	7661867 NT	1.0E-125 AF015450.1		1.0E-126 AA011278.1	1.0E-125 AA042813.1	4504696 NT	4504696 NT		11426114 NT	11425114 NT			36448									BE278823.1	11425572 NT			T	П
Most Similar (Top) Hit BLAST E Value	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-125 AF015450.1	1.0E-126	1.0E-125	1.0E-125	1.0E-125	1.0E-125 AA042813.1	1.0E-126	1.0E-125	1.0E-125 BE315412.1	1.0E-125 BF683645.1	1.0E-125	1.0E-125 BE175169.1	1.0E-125 BE892660.1	1.0E-125 AI679904.1	1.0E-125 BE736055.1	1.0E-125 BE562526.1	1.0E-125 BE562526.1	1.0E-125 X03427.1	1.0E-125 X03427.1	1.0E-125 B	1.0E-125	1.0E-125 U90288.1	1 OF-126	1.0E-125 BE181640.1	1.0E-125 BE181640.1
Expression Signal	1,54	1.73	1.44	5.91	5,91	4.81	96.0	2.34	2.34	1.33	1.82	1.82	0.85	0.65	1.39	1.2	3.53	0.85	0.72	3.71	3.71	4.06	4.06	1.56	0.59	1.49	1.40	4.15	4.15
ORF SEQ ID NO:	27262				28107	28687	28820	28898	28899	30123	30796	30797	30857	32376	32501	32614	32561	32606	32942	33269	33260	33483	33484	34249	34491	35357	35358	35945	35946
Exon SEQ ID NO:	14194	14340		15000		16561	15698		15783	17119	17807	17807	17874	19067	19179	19197	19236	19277	19581	19869	19869	20072	20072	20765	20983	21822	21822	22394	22394
Probe SEQ ID NO:	1023	1177	1707	1854	1854	2433	2573	2661	2661	3961	4872	4872	4739	5877	5894	6013	6034	9609	6412	6711	6711	7207	7207	7700	7933	8743	8743	8318	9318

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Top Hit Descriptor		tin52b03.x1 NCI_CGAP_Kid11 Homo saplene cDNA done IMAGE:2171981 3' similar to TR.Q 14089 Q.14089 HYPOTHETICAL PROTEIN ;	601590345F1 NIH_MGC_7 Hamo saplens oDNA clone IMAGE:3944531 6'	Human mRNA for KIAA0300 gene, partial cds	Hamo sapiens I-REL gene, exon 5	Homo saplens ryanodine receptor 1 (skeletal) (RYR1), mRNA	DKFZp434N2414_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434N2414 5'	Homo sapiens mRNA for KIAA0667 protein, partial cds	yh15a12.71 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:37663 5'	Homo sapiens myosin, heavy polypeptide 1, skeletal muscle, adult (MYH1), mRNA	Homo sapiens poly(A) binding protein II (PABP2) gene, complete cds	RC3-ST0186-250200-018-c11 ST0186 Homo saplens cDNA	QV3-BT0569-020200-075-909 BT0569 Homo sapiens oDNA	QV3-BT0569-020200-075-909 BT0569 Homo sapiens cDNA	Homo sapiens CDC-like kinase (CLK) mRNA	Human laminin B1 chain gene, exon 20	H.saplens gene for alpha1-antichymotrypsin, exon 3	Homo sapisns RAN binding protein 2 (RANBP2), mRNA	zo72c03.r1 Stratagene pancreas (#937208) Homo sapiens cDNA clone IMAGE:592420 5'	zo7zc03.r1 Stratagene pancreas (#937208) Homo saplens cDNA done IMAGE:592420 5'	H.sapians DNA for liver cytochrome b5 pseudogene	Homo sapiens death receptor 6 (DR6), mRNA	Homo saplens collagen type XI alpha-1 (COL11A1) gene, exon 63	Homo sapiens collagen type XI alpha-1 (COL11A1) gene, exon 63	yx78c06.r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:267850 5	ya52b12.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:66527 3'	zx66e03.r1 Soares_total_fetus_Nb2HF8_9w Homo saplens cDNA clone IMAGE:796444 5' stmilar to	IR:G1145880 G1145880 IITIN;	Homo sapiens mRNA for KIAA1625 protein, partial cds	Homo sapiens mRNA for KIAA1525 protein, partial cds	Homo sapiens cillary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Homo saplens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Homo saptens mRNA for KIAA1294 protein, partial cds	Homo saplens mRNA for KIAA1294 protein, partial cds
Top Hit Database	8 1800	EST HUMAN	EST_HUMAN	Ł	Ľ.	-N	EST_HUMAN	N.	EST_HUMAN	FZ	LN	EST HUMAN	EST HUMAN	EST_HUMAN	N	LN	Į.	F	EST HUMAN	EST_HUMAN	NT	NT	ΙN	LN	EST_HUMAN	EST_HUMAN		EST_HUMAN	NT	LΝ	ΤN	NT	NT	L
Top Hit Acession No.		1.0E-125 AI566998.1	1.0E-125 BE794576.1	1.0E-125 AB002298.1	1.0E-125 AF043458.1	11425570 NT	1.0E-125 AL040655.1	1.0E-125 AB014567.1	361450.1	7669505 NT	1.0E-125 AF026029.1	1.0E-125 AW812899.1	1.0E-125 BE074267.1	1.0E-125 BE074267.1	4768007 NT			6382078 NT	1.0E-126 AA160709.1	1.0E-126 AA160709.1		7657038 NT	1.0E-126 AF101108.1	1.0E-126 AF101108.1	134078.1				1.0E-126 AB040958.1	1.0E-126 AB040958.1	1.0E-126 AF257737.1	1.0E-126 AF257737.1		1.0E-126 AB037715.1
Most Similar (Top) Hit BLAST E	Value	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-125 R61450.1	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-128	1.0E-128 M61936.	1.0E-126 X68735.1	1.0E-128	1.0E-126	1.0E-126	1.0E-126 X53941.1	1.0E-126	1.0E-126	1.0E-126	1.0E-126 N34078.1	1.0E-126 T66998.1		1.0E-126 /	1.0E-126	1.0E-126	1.0E-126	1.0E-126	1.0E-128	1.0E-126
Expression Signal		1.06	0.72	1.06	3.03	1.34	2.42	3.35	1.63	2.13	5.32	227	4.71	4.71	2.16	1.74	1.53	4.55	8.12	8.12	0.87	2.52	1.08	1.08	1.81	0.68		2.91	4.33	4.33	6.0	6.0	67.0	0.73
ORF SEQ ID NO:		36293	37313		37639	37802	38076	38126		38303				38480							29862	29910	31026	31027	31062	32316				32952	34212			34663
Exon SEQ ID	į	22723	23704	23745	24004	24165	24419	24462		24623	24630	24685	24783	24783	13974	13977	14116	15785	16316	16316	16880	16906	18038	18038	18086	19010		- (	19588	19588	20735	20735	21144	21144
Probe SEQ ID	<u>.</u>	9581	10670	10712	10921	11091	11357	11401	11538	11568	11575	11686	11793	11793	795	798	942	2663	3140	3140	3719	3745	4908	4908	4956	. 5820		6362	6419	6419	7669	7669	8062	8062

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Probe	7 0 1 0 1 0 1	Fynceeion	Most Similar	1 40 E	Top Hit	Top Hit
SEQ (D NO:		Signal	Nalue		Database Source	Top Hit Descriptor
21259	59 34781	2.42	П	1.0E-126 X16609.1	TN	Human mRNA for ankyrin (variant 2.1)
21458	58 34982	0.8		1.0E-126 AA483368.1	EST_HUMAN	ne74b12.s1 NCI_CGAP_Ew1 Homo sapiens cDNA clone IMAGE:909983 similar to SW:TSG6_HUMAN P98096 TUMOR NECROSIS FACTOR-INDUCIBLE PROTEIN TSG-8 PRECURSOR:
23038	38629	0.57	1.0E-126	4505424 NT	LZ	Homo sapiens neuro-oncological ventral antigen 1 (NOVA1) solice variant 1 mRNA
11089 24172	72 37807	2.01	1.0E-128	1.0E-126 BF683175.1	EST_HUMAN	602139138F1 NIH_MGC_46 Homo sapiens cDNA clone IMAGE:4298240 6/
	96 38494	2.2	1.0E-126	1.0E-126 BE261660.1	EST HUMAN	601149404F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3502129 5'
				1.0E-126 BE743922.1	EST HUMAN	601577981F1 NIH_MGC_8 Homo saplens cDNA done IMAGE:3926685 5
				1.0E-127 AB024597.1	FN	Homo sapiens mRNA for casein kinase l'epsilon, complete cds
					LΝ	Homo sapiens mRNA for casein kinase i epsilon, complete cds
		2.75		1.0E-127 AB024597.1	FZ	Homo sapiens mRNA for casein kinase l'epsilon, complete cds
				1.0E-127 AB024597.1	TN	Homo saplens mRNA for casein kinase I epsilon, complete cds
284 13502			1.0E-127		FN	Home sapiens DNA for amyloid precursor protein, complete cds
		2.14	1.0E-127		LN	Homo saplens DNA for amyloid precursor protein, complete cds
904 14079		1.17	1.0E-127	1.0E-127 AF114488.1	TN	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds
			1.0E-127	U72621.2	N-	Homo sapiens lost on transformation LOT1 mRNA, complete ods
1728 14876	76 27967	222	1.0E-127	4827053	LN	Homo saplens ubiquitin specific protease 8 (USP8) mRNA
2127 15263	63 28382	1.97	1.0E-127	TN 5803065	Į.	Homo saplans leukocyte Immunoglobulin-like receptor, subfamily A (with TM domain), member 1 (LILRA1), mRNA
2127 15263		1.97	1.0E-127	E803066 NT	FX	Homo sapiens leukocyte trumunoglobulin-like receptor, subfamily A (with TM domain), member 1 (ULRA1), mennan m MRNA
L			1.0E-127	4506620 NT	F	Homo sapiens ribosomal protein L26 (RPL26) mRNA
		3.12	1.0E-127	1.0E-127 AF245505.1	LN	Homo sapieno adlican mRNA, complete ods
		21.46	1.0E-127	1.0E-127 X12881.1	LN PA	Human mRNA for cytokeratin 18
3781 16942	12 29948	19.0 19.0	1.0E-127	1.0E-127 AF114488.1	NT	Homo saplens intersectin short Isoform (ITSN) mRNA, complete cds
3913 17072	72 30070	0.7	1.0E-127	1.0E-127 AW161297.1	EST HUMAN	au80e06.y1 Schneider fetal brain 00004 Homo saplers cDNA clone IMAGE:2782594 5' similar to TR.015170 Q15170 TRANSCRIPTION FACTOR S-II-RELATED PROTEIN ;contains element MER22 repetitive element.
4232 17379	30368	0.59	1.0E-127	1.0E-127 AF135188.1	LL	Homo sapiens delayed rectifier potassium channel subunit IsK mRNA, complete cds
4368 17511			1.0E-127	7708239 NT	FN	Homo saplens neuroblastome-emplified protein (LOC51594). mRNA
17511		24.93	1.0E-127	7706239 NT	Z	Homo sapiens neuroblastoma-amplified protein (LOC51594), mRNA
4818 17755			1.0E-127	1.0E-127 AF262297.1	TN	Homo saplens cytochrome P450 retinoid metabolizing protein P450RAI-2 mRNA, complete cds
- }	30 30842		1.0E-127	6384	L	Homo saplens RAD1 (S. pombe) homolog (RAD1) mRNA, and translated products
4765 17890	90	2.69	1.0E-127	1.0E-127 AL163268.2	NT	Homo saplens chromosome 21 segment HS21C068

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Table 4 ·
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	Top Hit Descriptor	Homo sapiens ribosomal protein S2 (RPS2) mRNA	Homo sapiens chromatin-specific transcription elongation factor, 140 kDa subunit (FACTP140), mRNA	Homo sapiens mRNA for KIAA1247 protein, partial cds	Home sapiens prospero-related homeobox 1 (PROX1), mRNA	H.sapiens gene for inter-alpha-trypsin inhibitor heavy chain H1, exon 12	Homo saplens phosphodiesterase 1C, calmodulin-dependent (70kD) (PDE1C), mRNA	7q86b10.x1 NCI_CGAP_Lu24 Homo saplens cDNA clone IMAGE: 3'	Homo saplens mRNA for KIAA0454 protein, partial cds	Homo saplens mRNA for KIAA0454 protein, partial cds	ne04a11.1 NCI. CGAP_Ew1 Homo septens cDNA clone INAGE-1182620 similar to TR:0961338 0961338 CHROMOSOME SEGREGATION GENE HOMOLOG CAS.:	Homo saplens glutamate receptor, ionotropic, N-methyl D-aspartate 2D (GRIN2D), mRNA	om68h08.s1 NCI_CGAP_GC4 Homo sepiens cDNA clone IMAGE:1552383 3' similar to gb:X54941 CYCLIN DEPENDENT KINASES REGULATORY SUBUNIT 1 (HUMAN);	601511912F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3913371 6'	EST367360 MAGE resequences, MAGC Homo sapiens cDNA	Insulin-like growth factor binding protein-2 [human, placenta, Genomic, 1019 nt segment 2 of 4]	insulin-like growth factor binding protein-2 [human, placenta, Genomic, 1019 nt, segment 2 of 4]	Novel human mRNA containing Zinc finger C2H2 type domains	Homo sepiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1) genes, complete cds	Homo sapiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1) densa, complete cds.	Homo saplens zinc finder protein 76 (expressed in testis) (ZNF76), mRNA	Homo saplens platelet-derived growth factor receptor, beta polypeptide (PDGFRB) mRNA	Homo sapiens platelet-derived growth factor receptor, beta polypeptide (PDGFRB) mRNA	ZING FINGER PROTEIN HZF10	ZING FINGER PROTEIN HZF10	ZINC FINGER PROTEIN HZF10	Homo saplens mRNA for KIAA1459 protein, partial cds	CMYAS Human cardiac muscle expression library Homo eapiens ¢DNA clone 4151935 similar to CMYA5 Cardiomyopathy associated gene 5
	Top Hit Database Source	LN	N.	Ę	FX	LN ⊢N	FZ	EST_HUMAN	۲N	NT.	EST HUMAN	LN LN	EST HUMAN	EST HUMAN	EST HUMAN	NT	L	LN	Ā	1	N	N	Z	SWISSPROT	SWISSPROT	SWISSPROT	ĻΖ	EST_HUMAN
	Top Hit Acession No.	4506718 NT	11437455 NT		11426673 NT		11420965 NT			1.0E-128 AB007823.1		5254			1.0E-128 AW955290.1	Γ					8522	4505682 NT	4505682 NT					1.0E-129 AW766254.1
-	Most Similar (Top) Hit BLAST E Value	1.0E-128	1.0E-128	1.0E-128 AB033073.1	1.0E-128	1.0E-128 X69539.1	1.0E-128	1.0E-128 BF224346.1	1.0E-128 AB007923.1	1.0E-128 A	1.0E-128 AA639198.1	1.0E-128	1.0E-128 AA926959.1	1.0E-128 BE887554.1	1.0E-128 A	1.0E-129 S37722.1	1.0E-129 S37722.1	1.0E-129 AL096880.1	1.0E-129 AF240786.1	1 0F-128 AF240786 1	1.0E-129	1.0E-129	1.0E-129	1.0E-129 Q14585	1.0E-129 Q14585	1.0E-129 Q14585	1.0E-129 AB040892.1	1.0E-129 A
	Expression Signal	37.91	1.11	1.17	7.27	0.75	1.5	6.26	29.0	19:0	8	3.54	3.61	1.98	4.26	1.93	1.65	3.74	1.66	- 8	4.07	2.93	2.93	1.43	1.43	1.43	2.37	2:32
-	ORF SEQ ID NO:	28547		29664	30808	32139		33538	35360	35361	36987		37673	37918	-	26663	26663	27000	28004	28005	28145	29058	29059	29380	29381	29382	30413	30517
	Exen SEQ (D NO:	15415	15642	16648	17821	18856	19710	20123	21824	21824	23376	24031	24038	24279	28282	13621	13621	14905	14910	14910	15037	16952	15852	16373	16373	16373	17424	17538
	Probe SEQ ID NO:	2283	2516	3481	4786	5682	6548	7070	8745	8745	10341	10049	10957	11210	12402	124	428	1756	1761	1781	1894	2838	2838	3188	3108	3198	4279	4395

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	Top Hit Descriptor Source	CMY45 Human cardiac muscle expression library Homo sapiens cDNA clone 4151935 similar to CMYA5 EST_HUMAN Cardiomyopathy associated gene 5	NT Homo sapiens KVLQT1 gene	T_HUMAN	NT Homo sapiens KVLQT1 gene	50 NT Homo sapiens similar to ribosomai protein S26 (H. sapiens) (LOC63694), mRNA	NT Homo sapiens WSCR4 gene, exons 3 and 4	NT Homo sapiens WSCR4 gene, exons 3 and 4	NT Homo septions mRNA for KIAA0634 protein, partial cds			qi40d08.x1 NGI_CGAP_Bm25 Homo saplens cDNA clone IMAGE:1858959 3' similar to TR:Q14840 Q14840 EST_HUMAN MITOGEN INDUCIBLE GENE MIG-2;	q40008.x1 NCI_CGAP_Bm25 Hano septens cDNA clone IMAGE:1858959 3' similar to TR:Q14840 Q14840 EST HUMAN MITOGEN INDUCIBLE GENE MIG-2;	EST HUMAN af72/07.r1 Soarse, NHMPu, St Homo sapiens cDNA clone (IMAGE:1047689 6)			EST_HUMAN DKFZp762K171_r1 762 (synonym: hmel2) Homo sapiens cDNA clone DKFZp762K171 5'		NT Homo sapiens mRNA for KIAA1414 protein, partial cds		L HUMAN			HUMAN	EST_HUMAN   601343016F1 NIH_MGC_53 Homo saplens cDNA clone IMAGE:3885466 5			Ī	FROT LITERAL HERBING SELECTION OF THE DESCRIPTION OF THE SELECTION OF THE	EST TOWAY OF THE PRIVE STATE OF THE TWO CONTROL STATES OF THE TWO CONT
	¥ .	uman cardiac muscle expression libra pathy associated gene 5	iens KVLQT1 gene	1F1 NIH_MGC_71 Homo saplens cD	iens KVLQT1 gene	tens similar to ribosomal protein S26 (	iens WSCR4 gene, exons 3 and 4	iens WSCR4 gene, exons 3 and 4	iens mRNA for KIAA0634 protein, pa	lens solute carrier family 21 (organic	iens solute carrier family 21 (organic a	1 NCI_CGAP_Bm25 Homo saplens of INDUCIBLE GENE MIG-2;	1 NCI_CGAP_Bm25 Hamo septens of INDUCIBLE GENE MIG-2;	Soares_NhHMPu_S1 Homo sapiens	iens similar to ribosomal protein S26 (	1 Soares fetal liver spleen 1NFLS Hol 30 B48150 HP-25=HIBERNATION-RI	2K171_r1 762 (synonym: hmel2) Hon	ilens hypothetical protein (HSPC242),	viens mRNA for K!AA1414 protein, pa	5F1 NIH_MGC_20 Homo sapiens cD	5F1 NIH_MGC_20 Homo saplens cD	ene for catalase (EC 1.11.1.6) exon 9	iens RET finger proteln-like 1 antisen	6F1 NIH_MGC_53 Homo sapiens cD	6F1 NIH_MGC_53 Homo saplens cD	olens retinol dehydrogenase homolog l	6F1 NIH_MGC_53 Homo sapiens cD	6F1 NIH_MGC_53 Homo sapiens cD	19-aky-a-08-0-U.T NIH MGC 50 Ho	
	fop Hit atabase Source		Homo sap	П	Homo sap	Homo sap	Homo sap	Homo sap	Homo sap	Homo sap	Homo sap				1		_	М	des omoH			Human ge				П		Ī	_	1
	Top Hit Acession De No. S			EST		11420850 NT				11437282 NT	11437282 NT				11420850 NT			7705530 NT			1.1				EST					-
	Most Similar (Top) Hit To BLAST E Value	1.0E-129 AW755264.1	1.0E-129 AJ006345.1	1.0E-129 BE88834.1	1.0E-129 AJ006345.1	1.0E-129	1.0E-129 AF041056.1	1.0E-129 AF041056.1	1.0E-129 AB014534.1	1.0E-129	1.0E-129	1.0E-129 AI199117.1	1.0E-129 AI199117.1	1.0E-129 AA625526.1	1.0E-129	1.0E-129 H83155.1	1.0E-129 AL120739.1	1.0E-130	1.0E-130 AB037835.1	1.0E-130 BE275192.1	1.0E-130 BE275192.1	1.0E-130 X04092.1	1.0E-130 AJ010230.1	1.0E-130 BE664219.1	1.0E-130 BE564219.1	1.0E-130 AF240698.1	1.0E-130 BE564219.1	1.0E-130 BE564219.1	1.0E-130 AW 503580.1	
	Expression Signal	232	3.77	0.81	3.99	4.03	1.04	1.04	3.57	1.03	1.03	0.52	0.52	3.32	5.01	4.28	1.97	1.01	0.64		22.97	2.63	7.23	1.36	1.36	1.03	6.31	6.31	1.8	
	ORF SEQ ID NO:	30518	L					34246		36920	36921	37370			33882			26341	27418		27940			29132	29133				30213	
	Exon SEQ ID NO:	17538	Ι.	L	20360	L	1	ı	l	ı	23319	1	<u> </u>	L	_	25273	<u> </u>	辶			l			ı		L		ı		
- [	Probe SEQ ID NO:	4395	216	6654	277	7340	697	697	3513	284	10284	10730	10730	11497	11578	12387	12817	120	1197	1700	1700	2040	2830	2943	2943	3668	3864	3864	4047	-

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Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
5208	18329	31300	1.49	1.0E-130	1.0E-130 AW383299.1	EST_HUMAN	RC0-CT0318-201199-031-e11 CT0318 Homo sapiens cDNA
5208	18329	31301	1,49	1.0E-130	1.0E-130 AW363299.1	EST_HUMAN	RC0-CT0318-201199-031-a11 CT0318 Homo saplens cDNA
0989	20188	33612	1.03	1.0E-130	1.0E-130 AW843875.1	EST_HUMAN	CM0-CN0045-170200-225-g03 CN0045 Homo septiens cDNA
9960			1.03	1.0E-130	1.0E-130 AW 843875.1	Г	CMg-CN0045-170200-226-g03 CN0045 Homo sapiens cDNA
6976	20203	33630	0.85	1.0E-130	11425446 NT		Homo sapiens estrogen-responsive B box protein (EBBP), mRNA
7404	20482	33949	1.85	1.0E-130	11416777 NT	ΤN	Homo sapiens solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 (SLC6A7), mRNA
7508	_	L		1.0E-130	1.0E-130 AF257737.1	N <sub>T</sub>	Homo sapiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds
7508	20580	34053	0.63	1.0E-130	1.0E-130 AF257737.1	N	Homo sapiens ciliary dynetn heavy chain 9 (DNAH9) mRNA, complete cds
8881			0.53	1.0E-130	1.0E-130 AF008551.1	۲	Homo sepiens aurore-related kinese 1 (ARK1) mRNA, complete cds
9019	22098	35638		1.0E-130	1.0E-130 AW956242.1	EST_HUMAN	EST368312 MAGE resequences, MAGD Homo sapiens cDNA
9415	22489	36054		1.0E-130		N	Homo sapiens mRNA for KIAA1335 protein, pertial cds
10137	23175		0.63	1.0E-130	1.0E-130 AW103454.1	EST_HUMAN	xd38e06.x1 NCI_CGAP_Ovz3 Home sapiens cDNA cione IMAGE:2595874 3'
				10.0		14 to 12 to	2758-04.r1 Soares_NHHMPu_S1 Homo septems cDNA clone IMAGE:667590 5' similar to TR:0222811
4	13243	26243	2.52	0.0=+00	0.0E+00 AA228126.1	EST HOMAN	SZZZ811 ALFHA I CHAIN OF 1 TPE AII COLLAGEN.;
	13243	28244	2.52	0.05+00	0.0E+00 AA228126.1	EST HUMAN	zz38c04.r1 Soares_NhHMPu_S1 Horno sapiens cDNA clone IMAGE:667590 5' similar to TR;G222811 G222811 ALPHA 1 CHAIN OF TYPE XII COLLAGEN.:
8	L			0.0E+00	5136	N	Homo saplens checkpoint suppressor 1 (CHES1), mRNA
18	L	L	3.34	0.0E+00	8923349 NT	Ł	Homo sepiens hypothetical protein FLJ20371 (FLJ20371); mRNA
16	L		3.34	0.0E+00	8923349 NT	Ę	Homo sepiens hypothetical protein FLJ20371 (FLJ20371), mRNA
23	L		3.17	0.00+00	0.0E+00 D83327.1	NT	Homo sapiens DCRR1 mRNA, partial cde
23	13261	26263	3.17	0.0E+00	0.0E+00 D83327.1	NT	Hano sapiens DCRR1 mRNA, partial cds
27		26267	G	0.0E+00	0.0E+00 AF141349.1	IN	Hono sapiens beta-tubulin mRNA, complete cds
36	L		0.62	0.0E+00	5802997 NT	LN L	Homo sepiens Cdc42 effector protein 2 (CEP2), mRNA
37				0.0E+00	0.0E+00 M58600.1	IN.	Human heparin cofactor II (HCF2) gene, exons 1 through 5
4	_	26285	4.6	0.0E+00	. 6857825 NT	IN	Homo sepiens RNA-binding protein S1, serine-rich domain (RNPS1), mRNA
68		L	1.77	0.0E+00	0.0E+00 Y17151.2	١	Homo seplens mRNA for multidrug resistance protein 3 (ABCC3)
- 58			1.77	0.0E+00	0.0E+00 Y17151.2	NT	Homo sepiens mRNA for multidrug resistance protein 3 (ABCC3)
90			1.45	0.0E+00	0.0E+00 D78804.1	EST_HUMAN	HUM516H08B Human placenta potyA+ (TFtijlwara) Homo sapiens cDNA cione GEN-516H08 5
8	13298	26318	1.45		0.0E+00 D78804.1	EST_HUMAN	HUM516H08B Human placents polyA+ (TFujiwara) Homo sapiens cDNA clone GEN-516H08 5'
91	13289	26319	9.83	0.0E+00	0.0E+00 L16558.1	L	Human ribosomal protein L7 (RPL7) mRNA, complete cde
ဆ	13301	26322	16.36	0.0E+00	0.0E+00 AW069534.1	EST_HUMAN	cr48e07.x1 Jia bone marrow stroma Homo sapiens cDNA clone HBMSC_cr48e07.3'
ន		26323			0.0E+00 AW069534.1	EST_HUMAN	cr48e07.x1 Jia bone marrow stroma Homo sapiens cDNA clone HBMSC_cr48e07.3'
67			2.48		0.0E+00 M60676.1	LN	Human von Willebrand factor pseudogene corresponding to exons 23 through 34

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				_	_			_				_	_			4.	e a		<u>:</u>	است	-g -	rio.	_	<i>#</i> *?	<u></u>		دار تع	14 gr	4 44
Top Hit Descriptor	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Homo sepiens protein tyrosine phosphatase, non-receptor type substrate 1 (PTPNS1) mRNA	Homo sapiens protein tyrosine phosphatase, non-receptor type substrate 1 (PTPNS1) mRNA	Homo sapiens protein tyrosine phosphatase, non-receptor type cubstrate 1 (PTPNS1) mRNA	Homo sapiens protein tyrosine phosphatase, non-receptor type substrate 1 (PTPNS1) mRNA	on89e04.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1583870 3' similar to SW:TMOD_HUMAN P28289 TROPOMODULIN:	Homo sopiens amiloride binding protein 1 (amine oxidase (copper-containing)) (ABP1), nuclear gene encoding mitochondrial protein, mRNA	Homo sapiens heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) mRNA	Homo sapiens actin, beta (ACTB) mRNA	Human polyhomeotic 1 homolog (HPH1) mRNA, partial cds	HA1347 Human fetal liver cDNA library Homo saplens cDNA	Homo saplens mRNA for KIAA 1363 protein, partial cds	H.saplens nox1 gene (exon 2)	E38b05.x1 NCI_CGAP_Ut4 Homo septens cDNA clone IMAGE:2230833 3' similar to TR:Q99561 Q99551 MITOCHONDRIAL TRANSCRIPTION TERMINATION FACTOR PRECURSOR.;	1838b05.X1 NCI_CGAP_UM Homo sepiens cDNA clone IMAGE:2230833 3' similier to 7R:Q98551 Q89551 MITOCHONDRIAL TRANSCRIPTION TERMINATION FACTOR PRECURSOR.;	lyy01h09.r1 Scares melanccyte 2NbHM Homo sapiens cDNA clone IMAGE:270017 5'	lyg1h09.r1 Scares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:270017 5'	Homo sapiens neuropilin 2 (NRP2) mRNA	Homo sapiens polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) mRNA	(Homo saplens polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) mRNA	Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	ya83g04.r2 Stratagene fetal spleen (#937205) Homo saplens cDNA clone IWAGE:68310 5	ya83g04.r2 Stratagene fetal spleen (#937205) Homo sapiens oDNA clone IMAGE:68310 5'	Homo sapiens heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) mRNA	601460376F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE:3863803 5'	Homo sapiens heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) mRNA	Homo sapiens serine palmitoyi transferase, subunit II gene, complete cds; and unknown genes		601174270F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:3529884 5
Top Hit Database Source	LN	5	N	Ę	LZ	EST_HUMAN	LN	トス	LN LN	FZ.	EST_HUMAN	N	Ν	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	F	Νĩ	Ν	LΝ	EST_HUMAN	EST_HUMAN	Ę	EST_HUMAN	N	LN	EST HUMAN	EST HUMAN
Top Hit Acession No.		4758977 NT	4768977 NT	4768977 NT	4758977 NT	0.0E+00 AA953770.1	4501850 NT	450444 NT	5016088 NT	U89277.1	0.0E+00 AI114743.1	0.0E+00 AB037784.1	0.0E+00 X91213.1	0.0E+00 A/623701.1	0.0E+00 AI623701.1	0.0E+00 N36040.1	N36040.1	450545B NT	4505938 NT	4505938 NT	4503680 NT	T56945.1	T56945.1	450444 NT	0.0E+00 BF036881.1	4504444	0.0E+00 AF111168.2	0.0E+00 BE295973.1	0.0E+00 BE295973.1
Most Similar (Top) Hit BLAST E Value	0.0E+00 M50676.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U89277.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 N36040.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 T56945.1	0.0E+00 T56945.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	23.72	2.1	2.1	1.06	1.06	0.62	16.99	12.3	23.92	40.86	2.4	6.0	0.68	0.68	1.58	1.92	1.92	1.63	3.65	3.65	1.9	0.7	0.7	12.8	2.06	38.39	12.6	1.03	0.79
ORF SEQ ID NO:		26339				26346	26347				26366	_		28377	26377			26384							26416		26419		
Exen SEQ ID NO:	13306	13313	13313	L		13318	13319		13329	13332		13340	13343	13360	13350	15980	15980		13359	ļ	. '	13367	Ĺ.	L	<u>L</u>	13388	13391	L	13393
Probe SEG ID NO:	8	11	11	80	88	83	84	85	8	97	103	104	110	118	119	120	120	123	133	133	141	143	143	157	161	163	186	168	169

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		_	_	_		-			_	_	_	_	_	_	_	_	51100			n		_		-	12	474	و تعلق والت
Тор Hit Descriptor	zd62b05.r1 Scares_fetal_heart_NbHH19W Homo sepiens cDN4 clone IMAGE:346201 6' similar to gb:X16282_cds1_ZINC FINGER PROTEIN CLONE 647 (HUMAN);	QV3-HT0467-140200-088-d04 HT0457 Homo sapiens cDNA	QV3-HT0457-140200-088-d04 HT0457 Homo sapiens cDNA	Homo sapiens zinc finger protein mRNA, complete cds	Homo saplens chromosome 21 segment HS21 C002	Homo sepiens chromosoms 21 segment HS21C002	bb24e12.y1 NIH_MGC_14 Homo sapiens dDNA clone IMAGE:2963854 5' similar to WP:Y57A10A.Z CE22631 ;	bb24e12.y1 NIH_MGC_14 Homo sapiens cDNA clone IMAGE:2963854 5' similar to WP:Y57A10A.Z CE22631 ;	Homo sapiens mRNA for KIAA0784 protein, partiel cds	Homo sapiens mRNA for KIAA0784 protein, partial cds	Homo sapiens mRNA for KIAA0784 protein, partial cds	Homo sapiens mRNA for KIAA0784 protein, partial cds	Human gamma-cytoplasmic actin (ACTGP9) pseudogene	Homo sapiens CTCL tumor artigen se14-3 mRNA, complete cds	Homo sapiens CTCL tumor antigen se14-3 mRNA, complete ods	Homo sapiens chromosome XMSL3-2 protein mRNA, complete cds	Homo sapiens chromosome XMSL3-2 protein mRNA, complete cds	tq04f08.x1 NCL_CGAP_Ut3 Home saplens cDNA clone IMAGE:2207847 3' simitar to gb.J03191 PROFILIN ( (HUMAN);	tp04f08.x1 NCI_CGAP_Ut3 Homo septens cDNA clone IMAGE:2207847 3* elmilar to gb:J03191 PROFILIN I (HUMAN);	Homo sapiens DNA mismatch repair protein (MLH3) gene, complete cds	Homo sapiens ribosomal protein L31 (RPL31) mRNA	Homo sepiens TADA1 protein mRNA, complete cds	Homo sapiens mRNA for KIAA0721 protein, partial cds	Homo sapiens mRNA for KIAA0721 protein, pertial cds	Mus musculus testis-specific protein, Y-encoded-Ilke (Tspyl), mRNA	TCBAP1E4466 Padiatrio pre-B cell acute lymphoblastic leukemia Baylor-HGSC project=TCBA Homo sapiens a con a con tCBAP4466	TCBAP1E4466 Pedlatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC project≔TCBA Homo sapienš cDNA clone TCBAP4466
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST HUMAN	NT L	TN	FZ	EST_HUMAN	EST HUMAN	NT	NT L	LZ	N <sub>T</sub>	LN	LΖ	LN	INT	LN	EST_HUMAN	EST HUMAN	NT	ŁZ	LZ	LZ	LZ LZ	ΤZ	EST_HUMAN	EST HUMAN
Top Hit Acession No.	0.0E+00 W73973.1	0.0E+00 BE162832.1	0.0E+00 BE162832.1	0.0E+00 AF244088.1	0.0E+00 AL163202.2	0.0E+00 AL163202.2	0.0E+00 BE018970.1	0.0E+00 BE018970,1	0.0E+00 AB018327.1	0.0E+00 AB018327.1	0.0E+00 AB018327.1	0.0E+00 AB018327.1	D50659.1	0.0E+00 AF273045.1	0.0E+00 AF273045.1	0.0E+00 AF167174.1	0.0E+00 AF187174.1	0.0E+00 AI587308.1	0.0E+00 AI587308.1	0.0E+00 AF195658.1	4508832 NT	0.0E+00 AF132000.1	0.0E+00 AB018264.1	0.0E+00 AB018264.1	5678444 NT	0.0E+00 BE246780.1	0.0E+00 BE246780.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.00+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D50859.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00.0	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	2.4	0.79	0.79	4.73	26.75	28.75	6.75	6.75	2.4	2.4	1.86	1.68	57.89	3.13	3.13	7.71	7.71	12	12	1.93	11.48	6.53	1.48	1.34	2.02	0.89	0,89
ORF SEQ ID NO:	26421	28422				26428		26436		28440	26441	26442			26459	26461		26469	28470				26478	26478	L	26483	
SEQ ID NO:	13394	13385	L	13398	13399	13399	13407	ĺ	١.	13412	13413	13413		13427	13427	13428	13429	16007	16007	13440	13443	13444	ı	13460	13451	13459	1 1
Probe SEQ ID NO:	170	171	171	172	175	175	185	185	180	188	191	191	199	204	204	208	208	218	216	218	221	222	878	83	230	237	237

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	T /2	_	, -	, -	_	,		_	,	_	, –	, –	_	_	_	_	_	, .,		-	-	, E	1		T	7	۳.	<del></del>	. 9, 19	11 1	( con	h Req
Top Hit Descriptor	TCBAP1E4468 Pediatric pre-B cell acute lymphoblastic leukemia Baylor-HGSC projecte TCBA Horno eapiens cDNA clone TCBAP4466	Homo sapiens mRNA for KIAA0758 protein, partial cds	Homo saplens mRNA for KIAA0758 protein, partial cds	Homo sapiens NS1-associated protein 1 (NSAP1) mRNA	Homo sapiens chromosome 21 segment HS21 C001	Homo sapiens chromosome 21 unknown mRNA	H.sapiens mRNA for interferon alpha/beta receptor (long form)	Homo sapiens chromosome 21 unknown mRNA	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo sapiens hypothetical protein (LOC51250), mRNA	Homo sepiens DORR1 mRNA, partial cds	Homo sapiens DCRR1 mRNA, partial cds	Homo sapiens DCRR1 mRNA, partial cds	IL2-CT0031-181199-020-B03 CT0031 Homo sapiens cDNA	Homo saplens potassium inwardly-reotifying channal, subfamily J, member 15 (KCNJ15) mRNA	Homo sapiens polassium inwardly-rectifying channel, subfamily J, member 15 (KCNJ15) mRNA	Homo saplens mRNA for KIAA1019 protein, partial cds	Homo sapiens mRNA for KIAA1019 protein, partial cds	Homo sapiens ribosomal protein S5 (RPS5) mRNA	zv18c06.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:753994 5'	Homo sapiens SON DNA binding protein (SON) mRNA	Homo sapiens SON DNA binding protein (SON) mRNA	Homo saplens intersectin short isoform (ITSN) mRNA, complete cds	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HA2303)	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HAZ303)	Homo sepiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens myeloidilymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (MLLT4) mRNA	Homo sapiens moesin (MSN), mRNA	Homo sapiens X-box binding protein 1 (XBP1) mRNA	Human zinc finger protein zfp31 (ਟਾਂ31) mRNA, partial cds
Top Hit Database Source	EST_HUMAN	TN	۲	Į.	FZ	LZ	FN	TN	NT	TN	TN	FZ	NT NT	FN	EST_HUMAN	١	TN	ΗZ	LZ.	LN	EST_HUMAN	NT	IN	TN	TORISSIWS	SWISSPROT	TN	TN	LΝ	FZ	LN	LN
Top Hit Acession No.	0.0E+00 BE246780.1	0.0E+00 AB018301.1	0.0E+00 AB018301.1	5453805 NT	0.0E+00 AL163201.2	0.0E+00 AF231919.1		0.0E+00 AF231919.1	. 4507500 NT	4507500 NT	7706028 NT	383327.1	383327.1	<b>D83327.1</b>	0.0E+00 AW845293.1	4557029 NT	4557029 NT	0.0E+00 AB028942.1	0.0E+00 AB028942.1	4506728 NT	0.0E+00 AA480002.1	4507152 NT	4507152 NT	0.0E+00 AF114488.1	J14867	<b>D14867</b>	7667213 NT	7657213 NT	5174574 NT	4505256 NT	4827057 NT	J71600.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X89772.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D83327.1	0.0E+00 D83327.1	0.0E+00 D83327.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00.	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 O14867	0.0E+00 O14867	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U71600.1
Expression Signal	0.89	1.17	1.17	7.54	3.79	4.65	1.22	5.95	1.37	1.37	1.9	96.0	1.2	1.2	1.41	5.65	5.65	5.16	4.28	8.13	1.42	19.55	24.65	1.59	1.15	1.15	4.14	1.82	4.38	0.74	4.58	0.96
ORF SEQ ID NO:	26485	26496	26497	26501			26510		26529	28530	26532		26545	26546			26554	26564	26565				26566			26580	26581	26581	26693			28603
SEQ ID	13459	13467	13467	13469	13471	13476	13478	13486	13498	13498	13500	13510	13511	13511	13512	13520	13520	13531	13532	16010	13533	13534	13534	13538	13550	13550	13551	13551	13565	13566	13569	
Probe SEQ ID NO:	237	245	245	248	250	257	259	267	280	280	282	283	294	294	295	304	304	315	316	317	318	319	320	324	337	337	338	339	354	355	358	361

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	Top Hit Descriptor	Homo sapiens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo saplens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	Human mRNA for KIAA0184 gene, partial cds	Human mRNA for KIAA0184 gene, partial cds	Homo saplens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	AU134963 PLACE1 Homo sapiens cDNA clone PLACE1000899 5'	Homo sapiens mRNA for KIAA1019 protein, partial cds	qy81h05.x1 NCL_CGAP_Brn25 Homo saplens cDNA clone IMAGE:2018457 3' sinilar to gb:X54199 PHOSPHORIBOSYLAMINEGLYCINE LIGASE (HUMAN);	RC2-CT0320-300100-016-e09 CT0320 Homo sapiens cDNA	Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	Homo sepiens IgG Fc binding protein (FC(GAMIMA)BP) mRNA	Homo saplens IgG Fc binding protein (FC(GAMMA)BP) mRNA	Homo sapiens IgG Fo binding protein (FC(GAMMA)BP) mRNA	Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	Homo sapiens IgG Fc binding protein (FC(GAMMA)BP) mRNA	Homo saplens IgG Fc binding protein (FC(GAMMA)BP) mRNA	H.saplens gene for RNA pol II largest subunit, exons 23-29	H.sapiens gene for RNA pol II largest subunit, exons 23-29	H.sapiens gene for RNA pol II largest subunit, exons 23-29	H.sapiens gene for RNA pol II largest subunit, exons 23-29	Homo sapiens ribosomal protein L19 (RPL19) mRNA	yg09a02.r1 Soares infant brain 1NIB Homo sapiens cDNA clone IMAGE:31652 5'	Homo eapiens phosphoribosydycinamide formytransferase, phosphoribosylglycinamide synthetase,	phosphoribosyleminoknidazde synthetase (GART) mRNA	Homo sepiens ribosomel protein S5 (RPS5) mRNA	Homo saplens mRNA for KIAA1019 protein, partial cds	Horno sepiens SON DNA binding protein (SON) mRNA	Homo saplens SON DNA binding protein (SON) mRNA
Page Higher	Top Hit Database Source	LN	NT	١	ĻΝ	- LN	NT.	FN	FN	EST_HUMAN	TN	EST HUMAN	EST HUMAN	FZ	FN	N-	LΝ	ΤN	TN	Į.	ΡΛ	LΝ	NT	L	NT	NT	NT.	EST_HUMAN		Ā	NT	NT	N	ΕN
6	Top Hit Acession No.	0.0E+00 AF231919.1	0.0E+00 AF231919.1	0.0E+00 AF231919.1	4507500 NT	4503854 NT		380006.1	4507500 NT	0.0E+00 AU134963.1	0.0E+00 AB028942.1	0.0E+00 Al363014.1	0.0E+00 AW754180.1	4503680 NT	4503680 NT	4503680 NT	4503680 NT	4503680 NT	4503680 NT	4503680 NT	4503680 NT	4503680 NT					4506608 NT			4503914 NT	<b>36728</b>	0.0E+00 AB028942.1	4507152 NT	4507152 NT
	Most Similar (Top) Hit BLAST E Value	0.0E+00/	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00	0.0E+00 D80006.1	0.0E+00 D80006.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X74870.1	0.0E+00 X74870.1	0.0E+00 X74870.1	0.0E+00 X74870.1	0.0E+00	0.0E+00 R17795.1		0.0E+00	0.0E+00	0.0E+00 /	0.0E+00	0.0E+00
	Expression Signal	2.75	2.75	2.53	1,01	1.59	2	1.43	99.0	3.37	7.58	1.08	1.32	2.24	2.34	2.34	2.18	1.42	1.42	1.98	2.66	2.14	0.96	96.0	1.07	1.07	18.46	1.49		1.39	3.85	2.82	17.7	17.7
	ORF SEQ ID NO:	26607	26608	26809			26616		28618	56829	26673	26674	26636	26839	L	26641		26643	26644	26645	26646	26647	26648	26649	26648	26649		26233		26675			26677	26678
	Exan SEQ ID NO:	13576	13578	16011	13578	13581	13582	13582	13584	13593	13635	13836	13601	13603	13604	13604	13605	13606	13606	13607	13608	13609	13610	13610	13610	13610	13614	13233		13637	13638	13639	13640	13640
	Probe SEQ IO NO:	388	368	367	369	372	373	374	376	387	398	399	404	. 407	408	408	409	410	410	411	412	413	414	414	415	415	419	433		44	442	443	444	444

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onigie Exont Flores Expressed in Flagorita	Top Hit Descriptor	Mus musculus truncated SON protein (Son) mRNA, complete cds	Homo saplens chromosome 21 segment HS210001	Homo sapiens interferon gamma receptor 1 (IFNGR1) mRNA	601111520F1 NIH_MGC_16 Homo sepiens cDNA clone IMAGE:3352348 5'	Homo sapiens 5-hydroxytryptamine (serotonin) receptor 18 (HTR1B) mRNA	Homo sapiens 6-hydroxytryptamine (serotonin) receptor 18 (HTR18) mRNA	Homo saplens keratin 18 (KRT18) mRNA	Homo sapiens keratin 18 (KRT18) mRNA	Homo sapiens chromosome 21 segment HS21C046	Homo saplens chromosome 21 segment HS210048	Homo sapiens chromosome 21 segment HS210048	Homo capiens mRNA for KIAA1209 protein, partial cds	AU132898 NT2RP4 Homo sapiens cDNA clone NT2RP4000837 5'	601274951F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3615756 S	PM0-DT0065-130400-002-c06 DT0065 Homo sapiens cDNA	Novel human gene mapping to chomosome 1	Homo sapiens PC326 protein (PC326), mRNA	IL2-F10159-070800-120-F07 FT0159 Homo sapiens cDNA	Homo sapiens chromosome 21 segment HS21C010	QV2-BT0635-160400-142-h05 BT0636 Homo sapiens cDNA	601764858F1 NIH_MGC_53 Hamo sapiens cDNA clone IMAGE:3996998 5	Homo sapiens mRNA for KIAA1476 protein, partial cds	Homo sepiens transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L) mRNA	Homo sapiens guanine nucleotide binding protein (G protein), alpha 11 (Gq class) (GNA11) mRNA	Homo sapiens guanine nucleotide binding protein (G protein), alpha 11 (Gq class) (GNA11) mRNA	Homo sapiens anillin (LOC54443), mRNA	Homo sapiens aniliin (LOC54443), mRNA	Homo sapiens aniilin (LOC54443), mRNA	Homo sepiens X-linked anhidrolite ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	regions	UI-H-BI1-acb-h-04-0-UI.s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:27139513'	Homo sapiens RGH1 gene, retrovirus-like element	Homo sapiens ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 (UQCRFS1), nuclear gene encoding mitochondrial protein, mRNA
	Top Hit Database Source	TN	LN	TN	EST_HUMAN	TN	LN	TN	NT	ΤN	TN	TN	LN L	EST_HUMAN	EST_HUMAN	EST_HUMAN	FN	LN LN	EST_HUMAN	LN	EST_HUMAN	EST_HUMAN	M	¥	NT	٦N	LN	TN	N		NT	EST HUMAN	NT	TN
il Billio	Top Hit Acession No.	0.0E+00 AF193607.1	0.0E+00 AL163201.2	4557879 NT	0.0E+00 BE254447.1	4504532 NT	4504532 NT	4557887 NT	4557887 NT	0.0E+00 AL163246.2	0.0E+00 AL163246.2	0.0E+00 AL 163246.2	0.0E+00 AB033035.1	0.0E+00 AU132898.1	0.0E+00 BE385144.1	0.0E+00 AW938825.1	0.0E+00 AL117233.1	8923955 NT	0.0E+00 BF373403.1	0.0E+00 AL163210.2	0.0E+00 BE081527.1	0.0E+00 BF028005.1	0.0E+00 AB040909.1	B006030 NT	4504038 NT	4504036 NT	8923831 NT	8923831 NT	TN 15853831 NT		0.0E+00 AF003528.1	0.0E+00 AW135324.1	0.0E+00 D10083.1	5174742 NT
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	4.23	1.45	4,44	0.75	3.38	3.38	21.77	21.77	4.1	5.9	6.5	4.25	1.81	1.66	1.7	1.82	0.95	1.9	4.43	1.67	1.15	1.57	8.39	4.53	4.53	0.73	0.63	0.63		4.82	1.39	5.31	1.85
	ORF SEO ID NO:	26679		26932				26715		26722	26723			26731	26737			26741		26751			26768	26771			26775					26786		26810
	Exan SEQ ID NO:	13641	13652	13654	13659	13675	13675	13680	13680	13691	13692	13692	13700	13702	13710	16014	13713	13714	13718	13725	16015	18737	13743	13746	13747	13747	13749	13750	13750		13754	13762	13772	13789
.	Probe SEQ ID NO:	445	457	459	484	480	480	488	88	496	497	497	508	508	516	517	620	521	525	532	539	44	220	553	564	554	999	557	557		562	570	980	290

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Top Hit Descriptor	Homo sapiens mRNA for KIAA1089 protein, partial cds	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	np49d01.s1 NCI_CGAP_Br1.1 Homo sapiens cDNA clone IMAGE:1129633 3' similar to gb:X57352 INTERFERON-INDUCIBLE PROTEIN 1-8U (HUMAN);	Human von Willebrand factor gene, exons 23 through 34	Human von Willebrand factor gene, exons 23 through 34	Homo sapiens TNF receptor-associated factor 1 (TRAF1) mRNA	Homo sapiens ALR-like protein mRNA, partial cds	Homo sapiens ALR-like protein mRNA, partial cds	Homo saplens hypothetical protein FLJ21634 (FLJ21634), mRNA	TCAAP100779 Pediatric acute myelogenous leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo sapiens cDNA clone TCAAP0779	Homo sapiens MHC class I antigen (HLA-G) mRNA, HLA-G1 allele, complete cds	Homo sapiens MHC class I antigen (HLA-G) mRNA, HLA-G1 allete, complete cds	Human, plasminogen activator inhibitor-1 gene, exons 2 to 9	Human, plasminogen activator inhibitor-1 gene, exons 2 to 9	Homo sapiens mRNA for KIAA1339 protein, partial cds	Homo sapiens zinc finger protein 212 (ZNF212), mRNA	Homo saplens mRNA for repressor protein, partial cds	601445847F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3849803 5'	y69g08.r1 Soares breast 2NbHBst Homo sapiens cDNA clone IMAGE:154046 5	Homo sapiens splicing factor 3a, subunit 1, 120kD (SF3A1), mRNA	Homo saplens gene for AF-8, complete cds	Homo saplens KIAA0170 gene product (KIAA0170), mRNA	Human mRNA for KIAA0184 gene, partial cds	Human mRNA for KIAA0184 gene, partial cds	H.sapiens mRNA for interferon alpha/beta receptor (long form)	Homo saplens mRNA for KIAA0910 protein, partial cds	Homo sapiens mRNA for KIAA0910 protein, partial cds	Homo sapiens pericentrin (PCNT) mRNA	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens potassium voltage-gated channel, isk-rciated family, momber 1 (KCNE1) mRNA
Top Hit Database Source	- LN			LN	1			닏		EST HUMAN	Т	N-			- L			EST_HUMAN			INT		LN TN	Į.	LN⊤	TN TN	E					
Top Hit Acesslon No.	0.0E+00 AB029012.1	7657468 NT	0.0E+00 AA614537.1			5032192 NT	0.0E+00 AF264750.1	0.0E+00 AF264750.1	11545800 NT	0.0E+00 BE241577.1	0.0E+00 AF226990.2	0.0E+00 AF226990.2			0.0E+00 AB037750.1	6912749 NT		0.0E+00 BE869735.1		5032086 NT	0.0E+00 AB011399.1	7661965 NT					0.0E+00 AB020717.1	5174478 NT	4507500 NT	7657213 NT	7657213 NT	4557686 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M60675.1	0.0E+00 M60675.1	0.0E+00	0.0E+00	0.0€+00	0.0E+00	0.0E+00 E	0.0E+00	0.0E+00.0	0.0E+00 J03764.1	0.0E+00 J03764.1	0.0E+00	0.0E+00	0.0E+00 D30612.1	0.0E+00	0.0E+00 R48915.1	0.0E+00	0.0E+00	0.0巨+00	0.0E+00 D80006.1	0.0E+00 D80006.1	0.0E+00 X89772.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	4.94	3.83	13.13	6.4	6.4	1.35	4.62	4.62	9.17	2.26	1.19	1.19	8.92	8.92	96.0	2.07	2.36	3.65	4.04	2.85	1.64	3.01	1.24	1.24	2.74	3.25	3.25	13.47	11.09	1.65	2.46	1.84
ORF SEQ ID NO:	26920	26935	26949	26953	26954	26963	26969	26970	26973	26981	27005	27008	27009	27010	27011	27012	27014	27015	27021	27022	27031	27035	27048	27049	27053	27057	27058	27064		27085	27086	27088
Exon SEQ ID NO:	13888	13897	13909	13913	13913	13923	13928	13928	13930	13936	13966	13955	13958	13958	13961	13962	16022	13964	13969	13970	13979	13983	13994	13994	13999	14003	14003	14007	14008	14025	14026	14028
Probe SEQ ID NO:	705	715	727	731	731	741	747	747	749	755	776	775	778	178	781	782	784	785	790	791	800	803	815	818	820	824	824	829	830	847	848	860

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Single Extri Flobes Expressed in Placenta	Top Hit Descriptor	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sepiens serine-threonine protein kinase (MNBH) mRNA, complete ods	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	Homo sapiens T-cell lymphoma Invasion and metastasis 1 (TIAM1) mRNA	Homo sapiens T-cell lymphoma invesion and metastasis 1 (TIAM1) mRNA	Hamo sapiens sodium/myo-inositol cotransporter (SLC5A3) gene, complete cds	Homo sapiens mRNA for KIAA1019 protein, partial cds	Homo sapiens mRNA for KIAA1019 protein, partial cds	Homo sapiens SON DNA binding protein (SON) mRNA	Homo sapiens mRNA for KIAA1019 protein, partial cds	Homo sapiens ribosomal protein S5 (RPS5) mRNA	Homo sapiens mRNA for KJAA0910 protein, partial cds	Homo sapiens mRNA for KIAA0910 protein, partial cds	Inje6407.81 NCI_CGAP_Pr10 Homo sapiens cDNA clone IMAGE:997453	hj66407.81 NC]_CGAP_Pr10 Hamo sapiens cDNA clone IMAGE:997453	[602085579F1 NIH_MGC_83 Homo saplens cDNA clone IMAGE:4249916 61	Homo sepiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu tumor-associated kinasa (HUNK), mRNA	Homo sapiens chromosome 21 segment HS21C003	[QV0-BT0703-280400-211-g11 BT0703 Homo saplens cDNA	QV0-BT0703-280400-211-911 BT0703 Homo sapiens cDNA	Hamp sapiens chromosome 21 segment HS21C003	Homo sapiens laminin receptor 1 (67kD, ribosomei protein SA) (LAMR1), mRNA	Homo sapiens laminin receptor 1 (67kb, ribosomal protein SA) (LAMR1), mRNA	Homo sapiens alpha-1-antichymotypsin precursor, mRNA, partial cds	protein C inhibitor [human, leukocytes, Genomic, 1216 nt, segment 2 of 5]	protein C Inhibitor (human, loukocytes, Genamic, 1218 nt, segment 2 of 5)	protein C inhibitor [human, leukocytes, Genomic, 1216 nt, segment 2 of 5]	Homo sapiens kallistatin (PI4) gene, exons 1-4, complete cds	Homo sapiens of cardiac alpha-myosin heavy chain gene	Homo saplens of cardiac alpha-myosin heavy chain gene
ביצחון בוחמם	Top Hit Database Source	NT.	N	LN	LN	LN	IN	IN	LΝ	LN	IN	LN	۲ <u>۷</u>	TN	F	EST_HUMAN	EST_HUMAN	EST_HUMAN	TN	ΙN	IN	LN	F	EST_HUMAN	EST_HUMAN	TN	NT	LN	LN	IN	NT	LN	۲N	L	TN
ifilite	Top Hit Acession No.	0.0E+00 AF108830.1	0.0E+00 AF108830.1	0.0E+00 AF108830.1	4503854 NT	4507500 NT	4507500 NT	0.0E+00 AF027153.1	0.0E+00 AB028942.1	0.0E+00 AB028942.1	4507152 NT	0.0E+00 AB028942.1	4506728 NT	0.0E+00 AB020717.1	0.0E+00 AB020717.1	0.0E+00 AA533272.1	0.0E+00 AA533272.1	0.0E+00 BF677694.1	7657213	7657213 NT	7657213 NT	7857213 NT	0.0E+00 AL163203.2	0.0E+00 BE089592.1	0.0E+00 BE089592.1	0.0E+00 AL163203.2	4504958 NT	4504958 NT	0.0E+00 AF089747.1	560364.1	69364.1	169364.1	28101.1	20656.1	20856.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 A	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 E	0.0E+00	0.0E+00 A	0.0E+00	0.0E+00	0.0E+00	0.0E+00 S68364.1	0.0E+00 S69364.1	0.0E+00 S69364.1	0.0E+00 L28101.1	0.0E+00 Z20656.1	0.0E+00[Z20858.1
	Expression Signal	2.19	2.19	1.45	2.85	1.37	1.37	2.07	6.27	5.27	11.32	4.03	3.87	1.54	1.54	1.82	1.82	8.41	4.6	1.4	2.54	2.54	0.98	1.93	1.93	2.7	90.6	9.69	1.42	69.0	69.0	69'0	1.62	0.71	0.71
	ORF SEQ ID NO:		27095						27118							27127			27129	ŀ	27131	27132		27160	27161	27170				27177		27179		27183	
	Exon SEQ ID NO:	14033	14033	14034	14039	14042	14042	14048	14053	14053	14054	14055	14056	14060	14060	14061	14081	14062	14068	14066	14067	14067	14089	14096	14096	14106	14116	14115	14117	14118	14118	14118	14119	14122	14122
	Probe SEQ ID NO:	856	856	857	862	888	866	873	877	877	878	879	880	884	884	885	885	988	890	88	891	168	914	921	921	931	941	943	944	945	946	945	948	949	949

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Top Hit Descriptor	Homo sapiens TRAF family member-associated NFKB activator (TANK) mRNA	Homo saplens hypothetical protein FLJ11196 (FLJ11196), mRNA	Homo sapiens heat shock 70kD protein 9B (mortalin-2) (HSPA9B) mRNA	Homo sapiens cadherin 8, K-cadherin (fetal kidney) (CDH8) mRNA	Homo sapiens cadherin 6. K-cadherin (fetal kidney) (CDH8) mRNA	Homo sapiens hypothetical protein FLJ20695 (FLJ20695), mRNA	Homo sapiens hypothetical protein FLJ20695 (FLJ20695), mRNA	Homo sapiens mRNA for alpha-tubulin 8 (TUBAB gene)	Homo saplens hypothetical protein FLJ20080 (FLJ20080), mRNA	Homo sepiens alkytation repeir; elkB homolog (ABH), mRNA	Homo saplens Death associated protein 3 (DAP3) mRNA	MR0-BN0116-200350-003-h08 BN0115 Homo saplens cDNA	Homo sapiens potassium channel, subfamily K, member 9 (KCNK9), mRNA	Homo sapiens potassium channel, subfamily K, member 9 (KCNK9), mRNA	Homo sapiens protein kinase, X-linked (PRKX) mRNA	Homo sapiens protein kinase, X-linked (PRKX) mRNA	Homo saplens ribosomal protein S27a (RPS27A) mRNA	Homo saplens hypothetical protein FLJ20309 (FLJ20309), mRNA	Homo sapiens DNA for Human P2XW, complete cds	Homo saplens DNA for Human P2XM, complete cds	Homo saplens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	Homo sepiens similar to rat Integral membrane glycoprotein POM121 (POM121L1), mRNA	Homo sapiens Npw38-binding protein Npw8P (LOC51729), mRNA	H.sapiens ART4 gene	H.sapiens ART4 gene	qb22d10.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:1697011 3	Homo saplens mRNA for KIAA0903 protein, partial cds	Homo sapiens chondroitin sulfate proteoglycan 2 (versican) (CSPG2) mRNA	Homo seplens chondrodiin sulfate proteoglycen 2 (versicen) (CSPG2) mRNA	Homo saplens chromosome 12 open reading frame 3 (C/120RF3), mRNA	Homo sepiens glutamate decarboxylase 1 (brain, 67kD) (GAD1), transcript variant GAD25, mRNA	Homo saplens glutamate decarboxylase 1 (brain, 67kD) (GAD1), transcript variant GAD25, mRNA	Homo saplens mRNA for KIAA1414 protein, partial cds	Homo saplens keratin 18 (KRT18) mRNA
Top Hit Database Source	NŢ	Ł	NT	NT	FN	FZ	N	LN	L	NT	FZ	EST_HUMAN	NT	LZ	FN	FZ	LN	LΝ	IN	TN	ΝŢ	Į,	NT	TN	LZ.	EST_HUMAN	L	LZ	NT	۲N	NT	NT	ΝŢ	NT.
Top Hit Acession No.	4759249 NT	R922833 NT	4758569 NT	4826672 NT	4826672 NT	8923624 NT	8923624 NT	0.0E+00 AJ245922.1	8923087 NT	5174384 NT	4758117 NT	0.0E+00 BE005208.1	7706134 NT	7706134 NT	4828947 NT	4826947 NT	4506712 NT	3290	0.0E+00 AB002059.1	0.0E+00 AB002059.1	7657468 NT	7657468 NT	7706500 NT	X95826.1		0.0E+00 A1147650.1	0.0E+00 AB020710.1	4758081 NT	4758081 NT	9966844 NT	7305076 NT	05076	0.0E+00 AB037835.1	4557887 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X95826.1	0.0E+00 X95828.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0.97	3.27	1.51	1.51	1.51	2.74	2.74	13.57	0.92	2.81	2.04	1.91	3.82	3.82	0.82	0.82	935	1.2	3.95	19.6	4.52	4.62	1.44	0.71	0.71	1.15	1.62	1.22	1.22	1.32	2.19	2.19	1.09	8.64
ORF SEQ ID NO:	27280							27317			27330	27340	27364	27365	27373				27380	27381		27383	27386	27387	27388		27391	27400	27401	27402	27415	27416	27419	27428
Exan SEQ ID NO:	14221	14224	14238	14255	14255	14259	14259	14260	14262	14284	14271	14285	14308	14308	14319	14319	14320	14322	14325	14327	14328	14328	14331	14332	14332	14333	14335	14344	14344	14345	14357	14357	14360	14387
Probe SEQ ID NO:	1055	1058	1072	1090	1090	1094	1094	1095	1097	1089	1108	1120	1143	1143	1155	1155	1156	1158	1161	1163	1164	1164	1168	1169	1189	1170	1172	1181	1181	1182	1185	1195	1198	1205

Page 490 of 550 Table 4 Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	Homo sapiens muff. (E. cof) hamolog 3 (MLH3), mRNA	Homo sapiens hypothetical protein FLJ10697 (FLJ10697), mRNA	Homo saplens ALR-like protein mRNA, partial cds	Homo saplens ALR-like protein mRNA, partial ods	Homo sapiens ALR-like protein mRNA, partial cds	Homo sapiens ALR-like protein mRNA, partial cds	Homo sapiens chromosome 3 subtelomento region	Homo sepiens chandraltin sulfate proteoglycan 4 (metanoma-associated) (CSPG4), mRNA	Homo sapiens prefoldin 4 (PFDN4) mRNA	Homo sapiens NF2 gene	Homo sapiens ribosomal protein S2 (RPS2) mRNA	Homo capiens Williams-Beuren syndrome deletion transcript 9 (WBSCR9) mRNA, complete cds	Homo sapiens mRNA for KIAA1507 protein, partial cds	Homo saplens mRNA for KIAA1507 protein, pertial cds	Homo saplens Wolfram syndrome (WFS) mRNA	Homo sapiens Wolfram syndrome (WFS) mRNA	Homo sapiens Wolfram syndrome (WFS) mRNA	Homo sapiens protein phosphatase 2A BR gamma subunit gene, exon 5	Homo saplens rhabdoid tumor deletion region protein 1 (RTDR1), mRNA	Homo sapiens rhabdoid tumor deletion region protein 1 (RTDR1), mRNA	Homo sapiens RFB30 gene for RING finger protein	Homo sepiens ring finger protein 9 (RNF9), mRNA	Homo sapiens zinc finger protein 173 (ZNF173) mRNA	Homo saplens RFB30 gene for RING finger protein	Homo sepiens ring finger protein 9 (RNF9), mRNA	Homo sapiens zinc finger protein 173 (ZNF173) mRNA	Homo sapiens mRNA for KIAA0577 protein, complete cds	Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Homo sepiens KIAA0170 gene product (KIAA0170), mRNA	Homo sapiens period (Drosophila) homolog 3 (PER3), mRNA	Homo sapiens period (Drosophila) homolog 3 (PER3), mRNA	Human endogenous retrovirus HERV-K10	601109792F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3350471 5'	601109792F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3350471 5'
Top Hit Database Source	TN	FZ	INT	NT TN	N TN	TN	FN	TN	NT	IN	LN	ΙN	TN	IN	Ŋ	NT	LN.	ΤN	LN	FN	LZ	F	IN	IN	ΝΤ	Ŋ	NT	Į,	NT	TN	IN	NT	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	7657336 NT	TN 8922593	0.0E+00 AF264750.1	0.0E+00 AF264750.1	0.0E+00 AF264750.1	0.0E+00 AF264750.1	0.0E+00 AF109718.1	4503098 NT	4505740 NT	Y18000.1	4506718	0.0E+00 AF084479.1		0.0E+00 AB040940.1	5174748 NT	5174748 NT	6174748 NT	0.0E+00 AF096156.1	7657529 NT	7667529 NT	0.0E+00 Y07829.2	5803146 NT	4508004 NT	0.0E+00 Y07829.2	5803146 NT	4508004 NT	0.0E+00 AB011149.1	7661965 NT	7861965 NT	8667387 NT	8567387 NT	0.0E+00 M14123.1	0,0E+00 BE257955.1	0.0E+00 BE257955.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00,	0.0E+00,	0.0E+00,	0.0E+00,	0.0E+00	0.0E+00	0.0E+00	0.0E+00 Y18000.			}		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00.	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	1.28	9.94	2.89	2.89	3.33	2.46	4.86	1.67	69.0	1.38	29.86	2.96	1.63	1.63	3.28	3.28	3.28	2.16	1.2	1.2	4.1	1.86	0.83	1.7	1.55	17.0	4.44	1.34	4.99	3.83	3.83	1.36	1.02	1.02
ORF SEQ ID NO:		27471	27475	27476	27477	27478	27503	27504	27510	-	27625	27534	27538	27539			27554	L	27566		27573	27574	27575	27576		27578				27583	27584	L	27656	
SEQ D	14395	14409	14413	14413	14414	16032	14432	14433	14442	14451	ı	14488	1	14472	14485	14485	14485	14486	16034	Į	1	14501	14502	14504	L	14506	14508	14509	1	14511	14511	14522		14583
Probe SEQ ID NO:	1236	1250	1254	1254	1255	1256	1275	1276	1286	1295	1303	1310	1316	1316	1328	1328	1328	1329	1339	1339	1346	1346	1347	1349	1350	1351	1353	1354	1355	1356	1356	1368	1429	1429

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		П		Г	Г	Γ	Т	Г	Т	Γ	Г	Г	Г	Г	Г	Γ	Γ	Г	Г	ľ	٣	٣	Γ	T	1	-	ì		7	7	1	1 th	1 4	74
Single Exon Probes Expressed in Placenta	Top Hit Descriptor	Homo sapiens mRNA for Familial Cylindromatosis cyld gene	RAN, member RAS oncogene family Homo sapiens RAN, member RAS oncogene family (RAN), mRNA	Homo sepiens proprotein convertese subtilisin/kexin type 2 (PCSK2) mRNA	Homo sapiens proprotein convertase subtilishr/kextn type 2 (PCSK2) mRNA	Homo saplens KIAA1114 protein (KIAA1114), mRNA	Homo sapiens KIAA1114 protein (KIAA1114), mRNA	Homo sapiens partial AF-4 gene, exons 2 to 7 and Alu repeat elements	Homo sapiens alpha1-6fucosyltransferase (alpha1-6FucT) gene, exon 7	Novel human gene on chromosome 20	Novel human gene mapping to chomosome 1	Human mRNA for KIAA0240 gene, partial cds	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens KIAA0170 gene product (KIAA0170), mRNA	Home sapiens KIAA0170 gene product (KIAA0170), mRNA	Homo saplens RFB30 gene for RING finger protein	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Homo sapiens hHDC for homolog of Drosophila headcase (LOC51696), mRNA	ag34a03.r1 NCI_CGAP_GCB1 Homo sapiens cDNA cione IMAGE:815116 6	Cercopithecus sethiops cyclophilin A mRNA, complete cds	Cercopithecus sethiops cyclophilin A mRNA, complete cds	EST38B206 MAGE resequences, MAGN Home sapiens cDNA	EST388208 MAGE resequences, MAGN Homo sapiens CDNA	Bovine mRNA for neurocalcin	Homo sapiens Bruton's tyrosine Kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein	(L44L) and F1P3 (F1P3) genes, complete cds	Homo sapiens transmembrans glycoprotein (GPNMB) mRNA	Homo sepiens transmembrane glycoprotein (GPNMB) mRNA	Homo sapiens KIAA0957 protein (KIAA0957), mRNA	Hamo saplens TNF-Inducible protein CG12-1 (CG12-1), mRNA .	Human transgluteminase mRNA, complete cds	Hamo sapiens titin (TTN) mRNA	Homo sepiens titn (TTN) mRNA
exon Probe	Top Hit Database Source	NT	LN FN	LZ	N	L	NT	IN	N <sub>T</sub>	Ę	F	L	LN	LN	ΤN	TN	LN L	FZ.	LN	EST_HUMAN	ĮN.	IN	EST_HUMAN	EST_HUMAN	۲N		LN	LN	NT	LN	NT	TN	NT	Ä
Singi	Top Hit Acession No.	0.0E+00 AJ250014.1	6042206 NT	4505648 NT	4505646 NT	7705565 NT	7705585 NT	0.0E+00 AJZ38093.1			0.0E+00 AL137764.1		6912457 NT	7661985 NT	7661965 NT				7706434 NT			0.0E+00 AF023860.1	0.0E+00 AW976097.1	97.1			_	4505404 NT	4505404 NT	7862405 NT	7656972 NT	1	4507720 NT	4507720 NT
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00)	0.0E+00	0.0E+00 D87077.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 Y07829.2	0.0E+00 M60676.1	0.0E+00 MS0676.1	0.0€+00	0.0E+00	0.0E+00	0.0E+00[/	0.0E+00/	0.0E+00	0.0E+00 D10884.1		0.0E+00 U78027	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M98478.	0.0E+00	0.0E+00
	Expression Signel	1.03	13.57	76.0	0.97	1.99	1.99	29.09	4.63	4.2	1.37	1.73	8.24	2.28	2.28	3.74	6.62	8.62	2.61	2.68	27.8	27.8	1.55	1.55	1.03		3.2	26.69	26.69	3.85	9.78	64.77	76.0	26.0
	ORF SEQ ID NO:	27668	27680	27690					27709	27724	27725		27733	27736	27736		27742	27743	27772	27788			27796	27797				27801	27802	27804		27810	27811	27812
	Exon SEQ ID NO:	14593	14602	14610	14510	14812	14512	14615	14625	14643	14644	14648	14651		14653		14660	14660	14693	14708	14715	14715	14717	14717	14718		- 1	14721		١.	14724	Н	Н	14731
	Probe SEQ ID NO:	1440	1449	1457	1457	1459	1459	1462	1471	1490	1491	1495	1498	1500	1500	1501	1507	1507	1541	1555	1562	1562	1564	1564	1565		1567	1568	1568	1570	1571	1578	1578	1578

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	Top Hit Descriptor	Homo saplens ribosomal protein L5 (RPL5) mRNA	Human laminin receptor (2H5 epitone) mRNA. 5' end	Homo sapiens (titn (TTN) mRNA	Homo sapiens (Ithn (TTN) mRNA	Homo sapiens chandroitin sulfate proteodivoan 4 (melanome-associated) (CSPG4) mRNA	human c-ves-2 gene	H.sapiens hH2B/e gene	Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA	Homo saplens butvrophilin, subfamily 2, member A1 (BTN2A1) mRNA	AV690831 GKC Homo sapiens cDNA done GKCBOF02 5	AV690831 GKC Homo sapiens cDNA clone GKCBOF02 5	Homo sepiens mRNA for KIAA1472 protein, partlal ods	Homo sapiens DNA polymerase zela catalytic subunit (REV3) mRNA complete cds	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo sapiens heat shock 70kD protein 10 (HSC71) (HSPA10) mRNA	Homo saplens heat shock 70kD protein 10 (HSC71) (HSPA10) mRNA	Human sodium channel mRNA	yo78c05.s1 Soares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE-183848 31	Homo saplens mRNA for KIAA1609 protein, partial cds	Homo saplens mRNA for KIAA1609 protein, partial cds	UI-H-BI3-ejw-c-04-0-UI.s1 NCI CGAP Sub5 Homo septions cDNA clone IMAGE:2733294 31	MR0-HT0166-191199-004-b11 HT0166 Homo saplens cDNA	MR0-HT0166-191199-004-b11 HT0168 Homo sapiens cDNA	wg81b07.x1 Soares_NSF_FB_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:2371477 3' similar to TR:062788 Oc2788 CXS2/HS2 ZINC EINDED DOCTEIN	Homo saxions harmstrandella dadinal alta diagna madella (UD St. 1727 1717	Homo sapiens T-cell receptor damma V1 dene modon	Human zinc-finger protein 7 (ZEP7) mRNA_complete cds	Human zinc-finger protein 7 (ZFP7) mRNA, complete cds	Homo sapiens keratin 18 (KRT18) mRNA	Homo sapiens wets avian erythroblastosis virus E28 oncogene related (ERG), mRNA	hu11d05.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3166281 3' similar to TR:096147 096147 MKP-1 LIKE PROTEIN TYROSINE PHOSPHATASE	
	Top Hit Database Source	N	NT	L	N	TN	LN LN	Z	NT	NT	EST HUMAN	EST HUMAN	L	NT	FZ	LN L	Į.	NT	NT	EST_HUMAN	Į.	LN	EST_HUMAN	EST_HUMAN		EST HIMAN	L		LZ	LN			T HUMAN	٦
	Top Hit Acession No.	4506654 NT	0.0E+00 M14199.1	4507720 NT	4507720 NT	4503098 NT		283738.1	5921460 NT	5921460 NT	0.0E+00/AV690831.1	0.0E+00 AV690831.1	0.0E+00 AB040905.1		7662183 NT	7682183 NT	- 5729876 NT	5729876 NT		126973.1	0.0E+00 AB046829.1	0.0E+00 AB046829.1	0.0E+00 AW44637.1		0.0E+00 BE144364.1	0.0E+00 AI768104.1	58513	0.0E+00 AF057177.1			557887	7657065 NT	0.0E+00 BE222374.1	]
	Most Similar (Top) Hit BLAST E Value	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00 D00333.	0.0E+00 Z83738.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M91803.1	0.0E+00 H26973.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0 0E+00	0.0E+00/	0.0E+00 M29580.1	0.0E+00 M29580.1	0.0E+00	0.0E+00	0.0E+00	
	Expression Signal	32.23	27.68	1.43	1.43	13.85	3.25	11.38	2.55	2.55	11.09	11.09	2.1	1.88	6.83	6.83	56.88	56.88	1.53	6.29	1.87	1.87	1.66	2.12	2.12	6	1.71	2.8	2.1	2.1	64.4	2.42	1.08	
	ORF SEQ ID NO:			27828		27830		27844			4		27851	27852	27855	27856	27857	27858	27860	27876	27887	27888	27903	27936	27937	27941	27942	27943	27947	27948	27950	27951	27954	
_	Exon SEQ ID NO:	16042	14732	14745	14745	14747	14755	14764	14765	14765	14766	14768	16043	14770	14772	14772	14774	14774	14776	14791	14801	14801	14820	14850	14850	14854	14855	14856	14859	14859	14891	14862	14865	
		1579	1580	1592	1592	1594	1602	1611	1612	1612	1613	1613	1616	1618	1620	1620	1622	1622	1624	1639	1648	1648	1668	1698	1698	1702	1703	1704	1708	1708	1710	1711	1714	
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Exon ORF SEQ Expression NO: Signal	Expression Signal		Most Similar (Top) Hit BLAST E Value	Tap Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
14865 27955 1		8	0.0E+00	0.0E+00 BE222374,1	EST_HUMAN	hu11405.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3166281 3' s/milar to TR:O96147 096147 MKP-1 LIKE PROTEIN TYROSINE PHOSPHATASE;
		3.2	0.0E+00	4557610 NT	L	Homo sapiens gamme-ammobutync acid (GABA) A receptor, gamma 2 (GABRG2) mRNA
14869 27960		4.3	0.05+00	0.0E+00 H30132.1	EST HUMAN	yo59808.rt Soares broact 3NbHBst Homo sapiens cDNA clone IMAGE:182246 5' similar to gb:M64099 GAMMA-GLUTAMM-TRANSPEPTIDASE 5 PRECURSOR (HUMAN);
		6.4	0.0E+00	0.0E+00 H30132.1	EST HUMAN	ye69608.r1 Soares breast 3NbHBst Homo sapiens cDNA clone IMAGE:182248 5' similar to gb:M64099 GAMMA-GLUTAMYLTRANSPEPTIDASE 5 PRECURSOR (HUMAN);
		0.97	0.0E+00	0.0E+00 AI149880.1	EST_HUMAN	qf43f09.x1 Soareo_testis_NHT Homo sapiens cDNA clone IMAGE:1752809 3'
14872 27963 1		10.28		0.0E+00 Z80780.1	L	H. sapiens H2B/h gene
14872 27964 1		10.28		0.0E+00 Z80780.1	LN	H. sapiens H2B/n gene
		21.3	0.0E+00	5031748 NT	TN	Homo sapiens high-mobility group (nonhistone chromosomal) protein 17 (HMG17), mRNA
27976		6.13	0.0E+00		TN	Homo saplens FOXJ2 forkhead factor (LOC55810), mRNA
27979		1.63	0.0E+00	5453855 NT	NT	Homo sapiens pericentriciar material 1 (PCM1) mRNA
27983		1,96	0.0E+00		NT	Human hepatocyte growth factor gene, exon 15
14890 27984		1.95	0.0E+00	0.0E+00 M75980.1	NT	Human hepatocyte growth factor gene, exon 15
27988		1.11	0.0E+00	4826973 NT	LN	Homo sapiens RNA binding motif protein, Y chromosome, family 1, member A1 (RBMY1A1) mRNA
14896 27990		2.54	0.0E+00	0.0E+00 M75980.1	TN	Human hepatocyte growth factor gene, exon 15
27891		2.54	0.0E+00	0.0E+00 M75980.1	LN.	Human hepatocyte growth factor gene, exon 15
27997		6.57	0.0E+00	2.1	NT	Homo sapiens WAVE2 mRNA for WASP-family protein, complete cds
		2.64		0.0E+00 S94400.1	5	TCR zeta [human, Genomic/mRNA, 365 nt, segment 1 of 8]
28008		5.29		57538	5	Homo sapiens solute carrier family 26 (culfate transporter), member 2 (SLC2642) mRNA
28027		3.33		AF273841.1	NT	Homo sapiens SMCY (SMCY) gene, complete cds
		8			۲	Homo sapiens ribosomal protein S2 (RPS2) mRNA
		3.2	0.0E+00	4567556 NT	L	Homo sapiens E1A binding protein p300 (EP300) mRNA
28074		3.2		4657556 NT	L	Homo sapiens E1A binding protein p300 (EP300) mRNA
		2.47		0.0E+00 U63963.1	NT	Human CSF-1 receptor (FMS) gene, complete cds, and (SMF) gene, partial cds
28083		7.55		05332	NT	Homo sapiens nuclear autoantigenic sperm protein (histone-binding) (NASP) mRNA
14985 28085		1.7	0.0E+00	0.0E+00 AA113030.1	EST_HUMAN	zn65c09.s1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:563056 3'
		24.06		0.0E+00 U14967.1	TN	Human ribosomal protein L21 mRNA, complete cds
14998 28102		6	0.0E+00	0.0E+00 AB002331.1	NT	Human mRNA for KIAA0333 gene, partial cds
14989 28103		24.99	0.0E+00	4502264 NT	Ę	Homo sapiens activating transcription factor 4 (tax responsive enhancer element B67) (ATF4) mRNA
14989 28104 2	_	24.99	00+30'0	4502264 NT	TN	Homo saplens activating transcription factor 4 (tax-responsive enhancer element B67) (ATF4) mRNA
		١	l			

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Top Hit Descriptor	Homo sapiens activating transcription factor 4 (tax-responsive enhancer element B67) (ATF4) mRNA	Homo sapiens immunoglobin superfamily, member 3 (IGSF3) mRNA, and translated products	Homo sapiens immunoglobin superfamily, member 3 (IGSF3) mRNA, and translated products	Homo saplens Retina-derived POU-domain factor-1 (RPF-1), mRNA	Homo sapiens Retina-derived POU-domain factor-1 (RPF-1), mRNA	Homo sapiens mRNA for KIAA1152 protein, partial cds	Homo sapiens mRNA for KIAA1152 protein, partial cds	Homo sepiens potassium voltage-gated channel, Shab-related subfamily, member 1 (KGNB1) mRNA	Homo sapiens potassium voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Human retinal degeneration slow (RDS) gene, exon 1	Human retinal degeneration slow (RDS) gene, exon 1	UI-H-BI1-efin-f-07-0-UI:s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2722333 3'	UI-H-BI1-efin-f-07-0-UI:s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2722333 3'	601179164F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:3547239 5'	601179164F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3547239 5'	RC2-BN0128-200300-012-504 BN0126 Home sapiens cDNA	Homo saplens nuclear protein (NP220), mRNA	Homo sapiens nuclear protein (NP220), mRNA	Homo capiens RAD1 (S. pombe) homolog (RAD1) mRNA, and translated products	Homo saplens RAD1 (S. pombe) homolog (RAD1) mRNA, and translated products	Homo saplens mRNA for KIAA1367 protein, partial cds	Homo sapiens DNA polymerase zeta catalytic subunit (REV3) mRNA, complete cds	Human transglutaminase mRNA, complete cds	Human transglutaminase mRNA, complete cds	Homo sapiens transforming growth factor, beta 3 (TGFB3), mRNA	Homo sapiens transforming growth factor, beta 3 (TGFB3), mRNA	Homo sapiens douth receptor 6 (DR6), mRNA	Homo saplens glutathlone S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	ganes, complete cds	Human topolsomerase I pseudogene 1	Homo sapiens butyrophilin, subfamily 3, member A2 (BTN3A2), mRNA
Top Hit Database Source	L	N	N	N.	LN.	F	L	, LN	·	N⊤	LZ	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	l.	F	L	LN L	NT	LN	FN	ΤN	FZ	뉟	LN		LN	LZ	LZ.
Top Hit Acession No.	4502264 NT	4504626 NT	4504626 NT	E005855 NT	6005855 NT	0.0E+00 AB032978.1	0.0E+00 AB032978.1	4826783 <sub>NT</sub>	4826783 NT		0.0E+00 U07147.1	0.0E+00 AW 207280.1	0.0E+00 AW 207280.1	0.0E+00 BE277465.1	0.0E+00 BE277465.1	0.0E+00 BE006292.1	7667390 NT	7657390 NT	4506384 NT	4506384 NT	0.0E+00 AB037788.1	0.0E+00 AF157476.1	0,0E+00 M98478.1	M98478.1	4507484 NT	4507464 NT	7657038 NT		0,0E+00 AF240786.1	M55632.1	\$901905 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 C07147.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0,0E+00	0.0E+00 M98478.1	0.0E+00	0.0E+00	0.0E+00		0,0E+00	0.0E+00 M55632.1	0.0E+00
Expression Signal	24.99	3.11	3,11	7.19	7.19	1.84	1.84	3.59	3.59	7.35	7.35	2.3	2.3	3.22	3.22	1.9	1.62	1.62	3.14	3.14	1.29	1.64	57.92	57.92	3.19	3.10	2.41		6.39	5.28	1.84
ORF SEQ ID NO:	28105	28124	28125	28131	28132	28143	28144	28146	28147	28148	28149	28152	28153	28171	28172	28187	28215	28216	28218	28219	28228		28230	28231	28238	28239	28241				28248
Exon SEQ ID NO:	14999	15015	15015	15025	15025	15036	15036	15038	15038	1	E	15042	15042	15067	15087	15086	15115	15115	15118	15118	15124	15128			15133	15133	15135		- 1		16052
Probe SEQ ID NO:	1853	1870	1870	1881	1881	1892	1892	1895	1895	1896	1896	1899	1899	1924	1924	1943	1972	1972	1975	1975	1981	1985	1986	1986	1991	1991	1994		1996	2001	2003

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	Top Hit Descriptor	Homo sapiens phosphodiasterase 6A, cGMP-specific, rod, apha (PDE6A), mRNA	HSColCo21 normalized infant brain cDNA Homo sapiens cDNA clone c-0lc02	qv90f08.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:1988871 3' similar to contains Alu repetitive	element;	601485145F1 NIH_MGC_69 Homo saplens cDNA clone IMAGE:3887747 5'	601902604F1 NIH_MGC_19 Hamo sapiens cDNA clone IMAGE:4135320 5	601902604F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4135320 5'	RC3-CT0413-270700-022-d10 CT0413 Homo saplens cDNA	RC3-CT0413-270700-022-d10 CT0413 Homo saplens cDNA	Human plasma membrane calclum ATPase isoform 2 (APT2B2) mRNA, comlete cds	Human plasma membrane calcium ATPase isoform 2 (APT2B2) mRNA, comlete cds	Homo sapiens mRNA for CDC2L6 protein kinase, (CDC2L6 gene), isoform 1	Homo sapiens GTP binding protein 1 (GTPBP1) mRNA	7a34c02.x1 NCI_CGAP_GC6 Homo saplens cDNA clone IMAGE:3220610 3' similar to SW:DTD_HUMAN	P50443 SULFATE TRANSPORTER;	QV1-GN0065-140800-318-c10 GN0065 Homo seplens cDNA	Homo sapiens X-linked juvenile retinoschisls protein (XLRS1) gene, exon 6 and complete cds	601672066F1 NIH_MGC_20 Hamo sapiens cDNA clane IMAGE:3954785 5'	PMo-BT0547-210300-004-F04 BT0547 Homo sapiens cDNA	Homo saplens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	genes, complete cds	IL3-CT0219-271099-022-G10 CT0219 Homo saplens cDNA	QV-BT065-020399-092 BT065 Homo saplens cDNA	QV-BT065-020399-092 BT065 Homo sapiens cDNA	Homo sapiens potassium large conductance calcium-activated channel, subfamily M, beta member 3-tike (KCNMBSL), mRNA	Human DNA-binding protein mRNA, 3'end	601122338F1 NIH_MGC_20 Homo saplens cDNA clone IMAGE:3346688 5'	Human mRNA for KIAA0244 gene, partial ode	AV738288 CB Homo sapiens cDNA clone CBNBDE08 5	AV738288 CB Homo saplens cDNA clone CBNBDE08 5'	oo32e01.s1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1567896 3'	602014829F1 NCI_CGAP_Brn64 Hamo saplens cDNA clone IMAGE:4150734 5'	1601572186T1 NIH MGC 55 Homo services CDNA close IMAGE 3830012.3
	Top Hit Database Source	Į.	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	Ā	ΝŢ	님	Ä		EST_HUMAN	EST_HUMAN	뉟	EST_HUMAN	EST_HUMAN		뉟	EST_HUMAN	EST_HUMAN	EST_HUMAN	Į.	Z	EST_HUMAN	뒫	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN
	Top Hit Acession No.	4585863 NT	242399.1		0.0E+00 AI244247.1	0.0E+00 BE877225.1		0.0E+00 BF315325.1	0.0E+00 BE697125.1	0.0E+00 BE697125.1	.00620.1	.00620.1	0.0E+00 AJ297709.1	4758489 NT		0.0E+00 BE500995.1	0.0E+00 BE767964.1	0.0E+00 AF018953.1	0.0E+00 BF027562.1	0.0E+00 BE072624.1		0.0E+00 AF240786.1	0.CE+00 AW752708.1	0.0E+00 Al904640.1	0.0E+00 AI904640.1	7657252 NT		0.0E+00 BE274696.1	J87685.1	0.0E+00 AV738288.1	0.0E+00 AV738288.1	0.0E+00 AA931691.1	0.0E+00 BF344434.1	0.0E+00 BE748899.1
	Most Similar (Top) Hit ' BLAST E Value	0.0E+00	0.0E+00 Z42399.1		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 L00620.1	0.0E+00 L00620.1	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00(	0.0E+00	0.0E+00	0.0E+00 L14787.1	0.0E+00	0.0E+00 D87685.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	1.48	29		2.38	4.37	2.25	2.25	3.6	3.6	3.43	3.43	1.11	1.18		1.94	3.17	1.26	4.64	1.5		1.29	3.41	6.48	6.48	1.08	1.52	1.26	9.0 20.0	23.12	23.12	2.57	24.38	40.14
	ORF SEQ ID NO:		28384			28393	28395	28396	28404	28405	28414	28415	28416	28420		28423			28446	28447		28448	28450	28452	28453			28518	28521	28622		28525	28529	28530
	Exen SEQ ID NO:	15264	15265	l	15267								15289	15294	ŀ	- 1	15317		15320	15321	1	ı	1		15327	15359	16382	乚	15394	15395	15395			15402
	Probe SEQ ID NO:	2128	2129		2131	2136	2138	2138	2144	2144	2152	2152	2153	2158		2162	2182	2183	2185	2186		2188	2190	2192	2192	2225	2249	2259	2261	2262	2262	2264	2268	2269

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					Q15170 Q15170	103' similar to	103' similar to											3-F	il.	7		874828 3'	9.	īo i		andi	gilli,		TR:094939 094939		
Charles Expressed in traceing	Top Hit Descriptor	CM1-TN0141-250900-439-b08 TN0141 Homo sapiens cDNA	CM1-TN0141-250900-439-b08 TN0141 Homo saplens cDNA	601900261F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4129622 5'	bb84602 yr NIH_MGC_10 Homo septens cDNA olone IMAGE:3049082 5 similar to TR:Q15170 Q15170 TRANSCRIPTION FACTOR S-ILRELATED PROTEIN ;	2453c07.s1 Soares_pregnant_ulerus_NbHPU Homo sapiens cDNA cione INAGE:489540 3' similar to: gb:X86867_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	2453607.s1 Soares_pregnant_uterus_NBHPU Homo saptems cDNA cione IMAGE:486540 3' similar to gb:X65857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	Homo saplens chromosome 21 segment HS21C004	Homo saplens chromosome 21 segment HS21C004	Homo capiens KIAA0952 protein (KIAA0952), mRNA	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	Human beta-primo-adaptin (BAM22) gene, exon 16	#12b10.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:712891 5'	Homo saplens E1A binding protein p300 (EP300) mRNA	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	601433525F1 NIH_MGC_72 Homo saplens cDNA clone IMAGE:3918607 5'	601495208F1 NIH_MGC_70 Horno sapiens cDNA clone IMAGE:3897457 5'	601495208F1 NIH_MGC_70 Hamo sapiens cDNA clone IMAGE:3897457 5'	Homo sepiens mRNA for KIAA1363 protein, partial cds	Homo saplens differentially expressed in FDCP (mouse homolog) 6 (DEF6), mRNA	Homo sapiens differentially expressed in FDCP (mause homolog) 6 (DEF6), mRNA	oz09c07.x1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1674828 3'	zv78a11.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:759740 5	zv78a11.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:759740 6	602021848F1 NCL_CGAP_Brn67 Homo saplens cDNA clone IMAGE:4157339 5'	Homo sapiens mRNA for KIAA0910 protein, partial cds	Homo sepiene mRNA for KIAA0910 protein, partial cds	Homo sapiens flavín containing monooxygenase 3 (FMO3), mRNA	7722802.x1 NCL_CGAP_CLL1 Homo sapiens cDNA clone IMAGE;3295370 3' similar to TR:O94939 O94939; KIAA0857 PROTEIN :	Homo sapiens phosphorylase kinase alpha subunit (PHKA2) gene, exon 32	
	Top Hit Database Source	EST_HUMAN CN	EST HUMAN CN	EST_HUMAN 601	EST_HUMAN TR			NT HO	P.				T_HUMAN					EST_HUMAN 60							HUMAN				FST HIMAN KIP	Т	
Sign Sign	Top Hit Acession No.	0.0E+00 BF377897.1	0.0E+00 BF377897.1	0.0E+00 BF313617.1 E	0.0E+00 BE018750.1 E	0.0E+00 AA042813.1 E	0.0E+00 AA042813.1 E	0.0E+00 AL163204.2	0.0E+00 AL163204.2	7862401 NT	7662401 NT		0.0E+00 AA282281.1	4557556 NT	7662401 NT	0.0E+00 BE895281.1  E	0.0E+00 BE905563.1  E	0.0E+00 BE905563.1 E	0.0E+00 AB037784.1	11545748 NT	45748	0.0E+00 AI076404.1   E				0.0E+00 AB020717.1	0.0E+00 AB020717.1	6325466 NT	0.05+00 BE678095 1	T	
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U36264.1	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00\	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	
	Expression Signal	5.56	5.56	4.08	3.13	1.68	1.68	3.06	3.06	3.72	3.72	2.34	1.02	7.92	263	3.44	1.51	1.51	1.83	4.35	4.35	2.67	2.85	2.95	1.82	1.33	1.33	2.34	2.38	5.46	·
	ORF SEQ ID NO:	28533	28534	28539	28542	28544	28545	28553	28554	28555	28556		28561	28579	28584	28592	28596	28697	28699	28632	28633	28634	28636	28637	28639	28645	28646	28647	28663	28655	,,,,,
	Exon SEQ ID NO:	15405	15405	16059	16411	15413	15413	15421	15421	15422	15422		L		15452			15463		l	ı		15509		15511	15516	15516	15517	16524	1	
	Probe SEQ ID NO:	2272	2272	2276	2279	2281	2281	2289	2289	2290	2290	2295	2296	2313	2320	2327	2331	2331	2333	2375	2375	2376	2378	2378	2380	2385	2385	2386	2003	2398	, , , ,

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Top Hit Descriptor	Homo sapiens gene for AF-8, complete cds	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	Homo sepiens KIAA0952 protein (KIAA0952), mRNA	Homo sapiens specific antigen 2 (SSFA2), mRNA	Homo saplens specific antigen 2 (SSFA2), mRNA	Homo saplens signal regulatory protein, beta, 1 (SIRP-BETA-1) mRNA	AU131142 NT2RP3 Homo sapiens cDNA clone NT2RP3002064 5'	601586843F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3941003 5'	Homo sapiens KIAA0244 protein (KIAA0244), mRNA	Homo saplans hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase) (H6PD), mRNA	Homo sapiens hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase) (H6PD), mRNA	Homo capient cytochrome P450 polypeptide 43 (CYP3A43) gene, partial cds; cytochrome P450 polypeptide	4 (CYP3A4) and cytochrome P450 polypeptide 7 (CYP3A7) genes, complete cds, and cytochrome P450	polypeptide 5 (CYP3A5) gene, partial cds	AU118082 HEMBA1 Homo sepiens cDNA clone HEMBA1002839 5	AU118082 HEMBA1 Homo sapiens cDNA clone HEMBA1002839 5	AU118082 HEMBA1 Homo saplens cDNA clone HEMBA1002839 6	MR0-BN0070-090600-029-d12 BN0070 Homo sapiens cDNA	AU119582 HEMBA1 Homa sapiens cDNA clone HEMBA1006155 5'	თვეხიე.x1 Soeres NiHMPu, S1 Homo sapiens cDNA clone IMAGE:1660683 3' similar to TR:O08662 008662 230KDA PHOSPHATIDYLINOSITOL 4-KINASE. ;	Homo saplens hypothetical protein FLJ20693 (FLJ20693), mRNA	601432608F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3918168 6	AB005622 HeLa cDNA (T.Noma) Homo saplens cDNA similar to adenylate kinase Isozyme 2	Homo sapiens glutamate receptor, lonotropic, N-methyl D-aspartate 2A (GRIN2A) mRNA	Homo sapiens gene for cholecystokinin type-A receptor, complete cds	Homo sapiens gene for choleoystokinin type-A receptor, complete cds	Homo sapiens immunoglobulin-like transcript 1c variant 4 (ILT1c) gene, exon 6	602018058F1 NCL CGAP Brn67 Homo sapiens cDNA clone IMAGE:4153670 5'	Homo capiens collagen, type XII, alpha 1 (COL12A1), mRNA	Human G protein-coupled receptor (GPR1) gene, complete cds	Human G protein-coupled recsptor (GPR1) gene, complate cds	602184558T1 NIH_MGC_42 Homo capiens cDNA clone IMAGE:4300383 3'	ha04h04.x1 NC!_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2872759 3'
Top Hit Database Source	LN LN	Z	Z	LN LN	N	Z	EST_HUMAN	EST_HUMAN	Ę	Z-L	TN			NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	Į.	EST_HUMAN	EST_HUMAN	INT	۲Z	LN	LV.	EST HUMAN	TN	NT.	LN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	0.0E+00 AB011399.1	7662401 NT	7662401 NT	5803178 NT	5803178 NT	5174678 NT	0.0E+00 AU131142.1	0,0E+00 BE794026.1	7662017 NT	4758497 NT	4758497 NT			0.0E+00 AF280107.1	0.0E+00/AU118082.1	0.0E+00 AU118082.1	0.0E+00 AU118082.1	0.0E+00 BE814424.1	0.0E+00 AU119582.1	0,0E+00 A1042035,1	8923620 NT	0.0E+00 BE895605.1	0.0E+00 AB005622.1	6006002 NT			0.0E+00 AF106275.1	0.0E+00 BF345274.1	5729777 NT	U13668.1	0.0E+00 U13668.1	0.0E+00 BF569144.1	0.0E+00 AW 466922.1
Most Similar (Top) Hit BLAST E Value	0.0E+00/	0.0E+00	0.0€+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		1	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0,0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D85606.1	0.0E+00 D85606.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U13668.1	0.0E+00	0.0E+00	0.0E+00
Expression Signal	1.5	2.22	2.22	3.83	3.83	3.04	3.56	9.82	3.96	1.39	1.39			7.14	10.61	10,61	10.61	1.03	1.14	8	0.94	1.35	2.22	6.05	1.99	1.99	2.42	96.0	3.64	1.02	1.02	28.11	4.18
ORF SEQ ID NO:	28657	28659	28660						28684	28685					28688	28689		_	28735		28737				28756					28786		28788	
Exen SEQ ID NO:	15530	15533	1	l	15536		Į I		l	1	15559	ĺ						1	15612	`	15616	15619	15630		15636		15646		15655	١.			15672
Probe SEQ ID NO:	2399	2402	2402	2405	2405	2424	2428	2429	2430	2431	2431			2432	2434	2434	2434	242	2485	2487	2489	2492	2503	2505	2510	2510	2520	2524	2530	2538	2538	2539	2547

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Top Hit Descriptor	Homo capiens IMP (inosine monophosphate) dehydrogenase 1 (IMPDH1) mRNA	Homo sapiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	Homo sepiens guanylate cyclase activating protein 2 (GUCA1B) gene, exon 1	Homo sapiens mRNA for KIAA0536 protein, partial cds	AU133385 NT2RP4 Homo sapiens cDNA clone NT2RP4001964 5'	AU130403 NT2RP3 Hano sepiens cDNA clone NT2RP3000779 5'	AU130403 NT2RP3 Homa sapiens cDNA clone NT2RP3000779 5	RC1-0T0086-220300-011-d07 OT0086 Homo sapiens cDNA	601298714F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3628923 5'	601278373F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3610267 5	Homo sapiens mRNA for KIAA1311 protein, partial cds	EST188414 HCC cell line (matestasts to liver in mouse) Il Homo sapiens cDNA 5' end similar to ribosomal protein L29	Human beta-prime-adaptin (BAM22) gene, exon 5	Homo saplens skeletal muscle LIM-protein 1 (FHL1) gene, complete cds	Homo saplens hG28K mRNA for GTP-binding protein like 1, complete cds	601591991F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3945983 5'	601335485F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3689564 5'	AV721647 HTB Homo sapiens cDNA clone HTBBYE09 5'	Homo saplens spermatogenesis associated PD1 (KIAA0757) mRNA	Homo saplens spermatogenesis associated PD1 (KIAA0757) mRNA	Homo sapiens hypertension-related calclum-regulated gene mRNA, complete cds	AV651068 GLC Homo sapiens cDNA clane GLCCLD07 3'	CM1-TN0141-250900-439-b08 TN0141 Homo sapiens cDNA	CM1-TN0141-250900-439-b08 TN0141 Homo sepiens cDNA	Homo sapiens cerebellar degeneration-related protein (34kD) (CDR1) mRNA	Homo sapiens cerebellar degeneration-related protein (34kD) (CDR1) mRNA	601580903F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3929472 5'	yy35h10.r1 Soares melencoyto 2NbHM Homo sepiens cDNA clone IMAGE:273283 5' similar to PIR:A45773 A45773 kelch protein, long form - fruit fly;	RC4-HT0587-170300-012-d11 HT0587 Homo sapiens cDNA	Homo sapiens chramosome 21 segment HS21 C001	UI-H-BW1-amw07-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE:3071340 3'
Top Hit Database Source	TN	TN	LN	۲N	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ľ2	EST HUMAN	NT	N.	LN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	FA	NT	EST HUMAN	EST_HUMAN	EST_HUMAN	LZ.	LN	EST_HUMAN	EST HUMAN	EST_HUMAN	LN	EST_HUMAN
Top Hit Acession No.	4504686 NT	J78027.1	0.0E+00 AF173227.1	0.0E+00 AB011108.1	0.0E+00 AU133385.1	0.0E+00 AU130403.1	0.0E+00 AU130403.1	0.0E+00 AW887015.1	0.0E+00 BE383165.1	0.0E+00 BE531263.1	0.0E+00 AB037732.1	0.0E+00 AA316723.1	0.0E+00 U36253.1	=		0.0E+00 BE796376.1	0.0E+00 BE563433.1	0.0E+00 AV721647.1	5174486 NT	5174486 NT	0.0E+00 AF290195.1	0.0E+00 AV651086.1	0.0E+00 BF377897.1	0.0E+00 BF377897.1	4757963	4757963 NT	0.0E+00 BE747193.1	0.0E+00 N44974.1	0.0E+00 BE176836.1	0.0E+00 AL163201.2	0.0E+00 BF514110.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00 U78027.1	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00			ĺ	0.0E+00	0.0E+00	0.0E+00	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	L	_			П
Expression Signal	252	1.16	5.67	1.07	96.0	1.15	1.15	1.66	4.83	2.8	-	11.99	4.04	3.72	2.32	11.38	17.3	3.28	2.18	2.18	2.21	47.74	5.84	5.84	1.15	1.15	21.96	1.05	1.15		3.19
ORF SEQ ID NO:	28935		28942	28943		28949		28953			28987		29013						29027	29028				29031			29039	29040			29052
Exan SEQ ID NO:	15819	١	15829		į.	15839	١.	15842	l		15878	1	١	ı	1	l		ĺ	15917	15917	15918	ì	15920		1	ı	1	15928	15030		15942
Probe SEQ ID NO:	2700	2710	2711	2715	2718	2721	2721	2724	2727	2728	2763	2785	2789	2791	2792	2797	2800	2801	2803	2803	2804	2805	2806	2806	2810	2810	2813	2814	2816	2827	2828

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Nost Similar   Top Hit Acession   Top Hit Acessio			Ι	Γ	T	Т	Τ	Г	Γ		Г	Γ	Π	Γ	Γ	Γ	Γ	Г	Π	Г	- 4	- 1	T	ľ	ľ	I		JJ.	٣	14	T.	T.	120
Exon NO: 19549         ORF SEQ 10 IO NO: 19549         Expression 1,67         (Top) Hit 1,69         Top Hit Ac 1,67         Top Hit Ac 1,60         Top	S Expressed in Placenta	Top Hit Descriptor	Homo sapiens chondroltin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	Homo sapiens angiopoietin-3 (ANG-3), mRNA	Homo saplens anglopaietin-3 (ANG-3), mRNA	602085579F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4249915 5'	Homo sapiens protein tyrosine phosphalase, receptor type, T (PTPRT), mRNA	AV725534 HTC Homo satisens cDNA clone HTCCCA03 5	AV725534 HTC Homo sapiens cDNA clone HTCCCA03 5'	au55d04,y1 Sohneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2518663 5' similar to SW:R13A_HUMAN P40429 60S RIBOSOMAL PROTEIN L13A;	602071957F1 NCI CGAP Bm67 Homo sapiens cDNA clone IMAGE:4214679 67	601450912F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3854642 5	AU131494 NT2RP3 Hamo sepiens cDNA clone NT2RP3002672 5	AU131494 NT2RP3 Homo sapiens cDNA clone NT2RP3002672 5'	600944794F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:2960806 5'	600944794F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:2960806 5	ghycoprotein D=Duffy group antigen [human, blood, Genomic DNA, 3068 nt]	Homo saplens BTRCP2 mRNA for F-box and WD-repeats protein isoform C, complete ods	Homo saplens ALR-like protein mRNA, partial cds	Homo sapiens ALR-like protein mRNA, partial ods	Homo septens cytochrome P450, subfamily i (dioxin-inducible), potypeptide 1 (glaucoma 3, primary infantile) (CYP1B1) mRNA	Homo saplens cytochrome P460, subfamily I (dioxin-inducible), polypeptide 1 (glaucoma 3, primary infamilie) (CYP-181) mRNA	H. sapiens serine hydroxymethyltransferase pseudogene	Homo sapiens Seminolevulinate synthase 2 (ALAS2) gene, complete cds	Homo sapiens mRNA for KIAA1527 protein, partial cds	Homo sapiens chromosome 21 segment HS21C001	Human AHNAK nucleoprotein mRNA, 5' end	PM0-HT0343-281299-003-e02 HT0343 Homo saplens cDNA	PM0-HT0343-281289-003-e02 HT0343 Homo sapiens cDNA	H.sapiens Id3 gene for HLH type transcription factor	Homo sapiens chromosome 21 segment HS21C068	Homo sapiens zinc finger protein 221 (ZNF221), mRNA	Homo sapiens zinc finger protein 221 (ZNF221), mRNA
Exon NO: 19649         ORF SEQ 10 NO: 19649         Expression 1,67         (Top) Hit 1,67         Top Hit Ac 1,67         Top Hit Ac 1,60         Top Hit	e Exori Prope	Top Hit Database Source	N-	۲N	LΝ	EST_HUMAN	ΤN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	IN	NT	Ę	Į.	N	Į.	NT	Z	N.	N	N	EST_HUMAN	EST_HUMAN	NT	NT	NT	N-
Exon ORF SEQ Expression (T Signal ID NO: Sig	Bulo	Top Hit Acession No.	4503098	7705275	7705275	3F677694.1	7427522	4V725534.1	AV725534.1	AI879163.1	3F530661.1	3E872768.1	QU131494.1	QU131494.1	3E300344.1	3E300344.1	576830.1	AB033281.1	AF264750.1	AF264750.1	4503202	4503202	-	AF068624.1	AB040960.1	AL163201.2	A80902.1	3E154504.1	3E154504.1	<b>(73428.1</b>	NL163268.2	7019584	7019584
Exon SEQ ID ORF SEQ Expre NO: Sign NO:		Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00	0.0E+00)	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Exon SEC ID OR ID ID ID ID ID ID ID ID ID ID ID ID ID		Expression Signal	1.67	1.08	1.08	5.05	1.33	17.21	17.21	14.75	2.14	71.97	2.42	2.42	64.08	64.08	5.28	1.64	1.89	1.89	2.04	2.04	3.73	1.26	1.91	4.25	6.5	0.93	0.93	2.05	2.6	1.3	1.3
		ORF SEQ ID NO:							29076		29081	29082	28083	29084	29085	29086	26444		26978	26979	27287	27288	28094			29099	29102	29104	29105			29108	29109
		Exon SEQ ID NO:							15966								1				14230					1		16092	16092	16094			16097
<del>┖┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈</del>			2835	2841	2841	2842	2848	2852	2862	2854	2857	2858	2860	2860	2861	2861	2867	2870	2876	2876	2880	2880	2897	2898	2900	2907	2911	2914	2914	2916	2918	8919	2919

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г	r	7	7	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	Т	1	f		寸	1	70,1	<del></del> ;	<del>- '</del> -	ii- F	Ť	7	-	邿	Ŧ
	Top Hit Descriptor	Homo sapiens zinc finger protein 221 (ZNF221), mRNA	Human transglutaminase mRNA, complete cds	Homo saplens gammna-cytoplasmic actin (ACTGP3) pseudogene	Homo sapiens gammma-cytoplasmic actin (ACTGP3) pseudogene	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes	H.sapiens mRNA for nuclear DNA helicase II	Homo sapiens protocadherin alpha C1 (PCDH-alpha-C1) mRNA, complete cds	Homo sapiens eukaryctic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mKNA	Homo sapiens serine/threonine khase 9 (STK9) mKNA	DKFZp586C0621_r1 586 (synonym: hute1) Homo sapiens cDNA clone DKFZp586C0621	Homo sapiens KIAA0054 gane product; Helicase (KIAA0064), mRNA	Homo sapiens KIAA0054 gene product; Helicase (KIAA0054), mRNA	Homo sapiens chondroitin sulfate proteoglycan 4 (melanoma-associated) (GSPG4), mKNA	QV2-BT0636-130400-138-h03 BT0636 Hamo sapiens cDNA	QV2-BT0636-130400-138-h03 BT0636 Homo saplens cDNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo saplens low density lipoprotein-related protein 2.(LRP2), mRNA	Homo sapiens chromosome 21 segment HS21C006	Homo sapiens chromosome 21 segment HS21C006	z:96b11.s1 NCI_CGAP_GCB1 Homo septens oDNA clone IMAGE:683517 3' similar to contains Alu repetitive element;	Homo sapiens hHb5 gene for hair keratin, exons 1 to 9	Homo sapiens EphA4 (EPHA4) mRNA	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	In 18d07.x1 NCI_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:2167981 3' similar to TR:016247 IO 16247 F44E7.2 PROTEIN :	In18407.x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2167881 3' similar to TR:O16247	016247 F44E7.2 PROTEIN.;	ZINC FINGER PROTEIN 132	Homo saplens protocadherin gamma C4 (PCDH-gamma-C4) mRNA, complete cds	Homo sapiens mRNA for KIAA1267 protein, partial cds	Homo saplens mRNA for KIAA1287 protein, partial cds	Homo sapiens mRNA for KIAA1508 protein, partial cds
	Top Hit Database Source	L.	FZ	Ę	R	NT	NT	NT	LΝ	Z-L	NT	EST HUMAN	LN LN	NT	NT	EST HUMAN	EST HUMAN	NT	NT	NT	LN FN	FST HUMAN	LN	TN	TN	NAMIN TOR	NOMO! - IO	EST_HUMAN	SWISSPROT	LΝ	F	۲	N-I
,	Top Hit Acession No.	7019584 NT				Ψ.		0.0E+00 AF152303.1	4503470 NT	4503470 NT	4507280 NT	0.0E+00 AL047599.1	7661883 NT	7661883 NT	4503098 NT	0.0E+00 BE081896.1	0.0E+00 BE081896.1	G806918 NT	6806918 NT	0.0E+00 AL163206.2	0,0E+00 AL163206.2	0.0F+00_AA215579.1	719210.1	4758279 NT	4503470 NT	0 05 -00 01561002 1	1301006.1	0.0E+00 AI561002.1	P52740	0.0E+00 AF152338.1	0.0E+00 AB033093.1	0.0E+00 AB033093.1	0.0E+00 AB040941.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00 M98478.1	0.0E+00 D50657.1	0.0E+00 D50657.1	0.0E+00	0.0E+00 Y10658.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0,0E+00	0.05+00	0.0E+00 Y19210.1	0.0E+00	0.0E+00			0.0E+00	0.0E+00 P52740	0.0E+00			
	Expression Signal	1.3	15.94	30.49	30.49	3.42	6.12	1.13	74.83	74.83	254	1.19	96.0	96.0	2.44	5.16	5.16	77.0	0.77	2.3	2.3			1.05	25.96	7 4 7		1.15	1.18	1.04	3.4	3.4	6.2
	ORF SEQ ID NO:	L		29117	L							L		29140			29143		29152				1	29167	١.		L/LRZ					29188	
	Exan SEQ ID NO:	16097	1		1	1	1	1	1	ŀ		16124	i i				l		1	1	1	1	1		16150	1	ายายา	16151		ı	16170		1
	Probe SEQ ID NO:	2919	2021	2928	2926	2929	88	2931	2832	2932	2944	2947	2948	2948	2949	2962	2962	2958	2958	2961	2961	800	2000	2972	2974		29/5	2976	2977	2978	2994	2994	2995

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Exam ORF SEQ Expression (Top) Hit Top Hit Acession Signal BLASTE No. Source Source	Expression (Top) Hit Top Hit Acession Signal BLASTE No. Source	Top Hit Acession Top Hit Database No.	Top Hit Acession Top Hit Database No. Source		Top Hit Descriptor	·
ORF SEQ Expression (Top) Hit Top Hit Acession Signal BLAST E No. Signal Value	Most Similar Top Hit Acession Top Hit Signal BLAST E No. Source	Top Hit Acession Database No. Source	Top Hit Acession Database No.		į	Top Hit Descriptor
6.2 0.0E+00 AB040941.1 NT	6.2 0.0E+00 AB040941.1 NT	0.0E+00 AB040941.1 NT	N			Homo sapiens mRNA for KIAA1508 protein, partial cds
29193 3.31 0.0E+00 7661903 NT	3.31 0.0E+00 7661903 NT	0.0E+00 7861903 NT	7861903 NT		ΞĮ	Homo sapiens KIAA0100 gene product (KIAA0100), mRNA
29194 3.31 0.0E+00 7661903 NT	3.31 0.0E+00 7661903 NT	0.0E+00 7661903 NT	7661903 NT		포	Homo sapiens KiAA0100 gene product (KIAA0100), mRNA
29195 4.83 0.0E+00 5174574 NT	4.83 0.0E+00 5174574 NT	0.0E+00 8174574 NT	5174574 NT		운돌	Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorex (Drosophila) homolog); translocated to, 4 (MLLT4) mRNA
29196 4.93 0.0E+00 5174574 NT	4.93 0.0E+00 5174574 NT	0.0E+00 5174574 NT	5174574 NT		물위	Homo sapiens mysioidilymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (MLLT4) mRNA
28199 1.29 0.0E+00 BF110702.1 EST_HUMAN	1.29 0.0E+00 BF110702.1 EST_HUMAN	0.0E+00 BF110702.1 EST_HUMAN	EST_HUMAN		5 g	7n40d03.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3567028 3' similar to TR:Q9VLN1 Q9VLN1 CG17283 PROTEIN. ;
. 29200 1.29 0.0E+00 BF110702.1 EST_HUMAN	1.29 0.0E+00 BF110702.1 EST_HUMAN	0.0E+00 BF110702.1 EST_HUMAN	EST_HUMAN		774 Q9	7n40d03.x1 NCI_CGAP_Lu24 Homa saplens cDNA clone IMAGE:3667028 3' similar to TR:Q9VLN1 Q9VLN1 CG17293 PROTEIN ;
29211 3.91 0.0E+00 4505084 NT	3.91 0.0E+00 4505084 NT	0.0E+00 4505084 NT	4505084 NT		호	Homo sapiens melanoma antigen, family B, 4 (MAGEB4), mRNA
3.91 0.0E+00 4505084NT	3.91 0.0E+00 4505084NT	0.0E+00 4505084 NT	4505084 NT		Ь	Homo sapiens melanoma antigen, family B, 4 (MAGEB4), mRNA
29218 1.51 0.0E+00 4758827 NT	1.51 0.0E+00 4758827[NT	0.0E+00 4758827 NT	4758827 NT		윈	Homo saplens neurexin III (NRXN3) mRNA
0.98 0.0E+00 AB033034.1 NT	0.98 0.0E+00 AB033034.1 NT	0.0E+00 AB033034.1 NT	N		윈	Homo sapiens mRNA for KIAA1208 protein, partial cds
29223 9.6 0.0E+00 AF106275.1 NT	9.6 0.0E+00 AF106275.1 NT	0.0E+00 AF106275.1 NT	LV.		ĬĮ.	Homo sepiens immunoglobulin-like transcript 10 variant 4 (IL.110) gene, exon 5
1.44 0.0E+00 A 149880.1   EST_HUMAN	1.44 0.0E+00 A 149880.1 EST_HUMAN	0.0E+00 A 149880.1   EST_HUMAN	EST_HUMAN	Т	i i	qr43r09.x1 Soares_testis_NH   Homo saptens curva cidne invace: (70209 5
29242 0.71 0.0E+00 AF2810/4.1 IN	0.71 0.0E+00/AF2810/4:1 NT	0.0E+00/AF2810/4:1	2 12		Ĕ	Homo sapiens neuropiin 2 (NRP2) gene, complete cds, alternatively spliced
0.0E+00 4506118 NT	0.92 0.0E+00 4508118NT	0.0E+00 4506118 NT	06118 NT		Ĭ	Homo sapiens prospero-related homeobox 1 (PROX1) mRNA
29245 2.81 0.0E+00 AB004884.1 NT	2.81 0.0E+00 AB004884.1 NT	0.0E+00 AB004884.1 NT	۲		Ĭ	Homo sapiens mRNA for PKU-alpha, partial cds
29252 1.85 0.0E+00 7862273 NT	1.85 0.0E+00 7862273 NT	0.0E+00 7662273 NT	7662273 NT		푀	Homo sapiens KIAA0737 gene product (KIAA0737), mRNA
1.92 0.0E+00 AW612528.1 EST_HUMAN	1.92 0.0E+00 AW612528.1 EST_HUMAN	0.0E+00 AW612526.1 EST_HUMAN	EST_HUMAN		를 전	hho3f08.x1 NCL_CGAP_Kid11 Homo sapiens CDNA clane IMAGE:2954055 3' similar to TR:090407 080407 PAC CLONE DJ1168D11 FROM 7P21-P22, COMPLETE SEQUENCE ;
29254 2.4 0.0E+00 5729755 NT	2.4 0.0E+00 5729755 NT	0.0E+00 5729755 NT	5729755 NT		뛰	Homo sapiens calcium charnel, voltage-dependent, gamma subunit 3 (CACNG3), mRNA
2.4 0.0E+00 5729755 NT	2.4 0.0E+00 5729755 NT	0.0E+00 5729755 NT	5729755 NT		훈	Homo sapiens calcium channel, voltage-dependent, gamma subunit 3 (CACNG3), mRNA
29263 1.17 0.0E+00 AF114488.1 NT	1.17 0.0E+00 AF114488.1 NT	0.0E+00 AF114488.1 NT	NT		윈	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds
29264 1.17 0.0E+00 AF114488.1 NT	1.17 0.0E+00 AF114488.1 NT	0.0E+00 AF114488.1 NT	INT		윈	Homo saplens intersectin short Isoform (ITSN) mRNA, complete cds
0.61 0.0E+00 AL163246.2  NT	0.61 0.0E+00 AL163246.2 NT	0.0E+00 AL163246.2 NT	NT		Ĭ	Homo sapiens chromosome 21 segment HS21C046
29285 1.29 0.0E+00 M74099.1 NT	1.29 0.0E+00 M74099.1 NT	0.0E+00 M74099.1	IN		I_	Human displacement protein (CCAAT) mRNA
29292 0.88 0.0E+00 4508882 NT	0.88 0.0E+00 4506882 NT	0.0E+00 4506882 NT	4506882 NT		Н	Homo sapiens semenogelin I (SEMG1) mRNA
3.53 0.0E+00 AF195953.1 NT	3.53 0.0E+00 AF195953.1 NT	0.0E+00 AF195953.1 NT	TN		I	Homo sapiens membrane-bound aminopeptidase P (XNPEP2) gene, complete cds
29303 4.9 0.0E+00 5579469 NT	4.9 0.0E+00 5579469 NT	0.0E+00 5579469 NT	5579469 NT		포	Homo sapiens heat shock 70kD protein 1 (HSPA1A), mRNA
29304 4 9 0 0E+00 6579469INT	4.9 0.0E+00 6579469 NT	0.0E+00 6579469 NT	5579469 NT		ĭ	Homo sapiens heat shock 70kD protein 1 (HSPA1A), mRNA

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Exan ORF SEC NO: 10 NO: 16472 29493 16474 29494 16474 29494 16474 29494 16499 29674 16507 16607	Expression Signal 0.76 0.76 29.49 8.38 8.38 8.30 1.01 1.01 1.01 1.01 1.01	Most Similar (Top) Hit BLAST E Value 0.0E+00 0	Top Hit Acession No. 4758055 NT	Top Hit Database Source	Top Hit Descriptor
		0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00	4758055		
		0.0E+00/ 0.0E+00/ 0.0E+00/ 0.0E+00/ 0.0E+00/ 0.0E+00/	4758055	L	Homo sapiens CREB binding protein (Rubinstein-Taybi syndrome) (CREBBP) mRNA
		0.0E+00/ 0.0E+00/ 0.0E+00/ 0.0E+00			Homo sapiens CREB binding protein (Rubinstein-Taybi syndrome) (CREBBP) mRNA
		0.0E+00/ 0.0E+00/ 0.0E+00	0.0E+00 AA774783.1	EST_HUMAN	ae87b11.s1 Stratagene schizo brain S11 Homo saplens cDNA clone IMAGE:971133 31
		0.0E+00/ 0.0E+00	0.0E+00 AF286598.1	FZ	Homo sapiens angiostatin binding protein 1 mRNA, complete cds
		0.0E+00 0.0E+00	0.0E+00 AF286598.1	TN	Homo sapiens angiostatin binding protein 1 mRNA, complete cds
		0.0E+00	4667590 NT	L	Homo sepiens fibrillin 1 (Marfan syndrome) (FBN1) mRNA
			4507720 NT	۲۲	Homo sepiens titin (TTN) mRNA
		0.0E+00 M65189.1		LΝ	Human connexin 43 processed pseudogene
					Homo sapiens HLA class III region containing tenascin X (tenascin-X) gene, partial cds; cytochrome P450 21-
					hydroxylase (CYP21B), complement component C4 (C4B) G11, helicase (SKI2W), RD, complement factor B
		0.05+00		ΔŢ	(Bf), and complement component C2 (C2) genes,>
		0.0E+00		T	Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA, complete cds
		0.0E+00	4502014	- LV	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA
		0.0E+00	4502014	뉟	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA
		0.0E+00		トン	Homo sepiens SWLSNF complex protein p270 mRNA, pertial cds
		0.0E+00	8923624	F	Homo sepiens hypothetical protein FLJ20695 (FLJ20695), mRNA
		0.0E+00	7657038	LN LN	Homo sapiens death receptor 6 (DR6), mRNA
		0.0E+00	4885312	F	Homo sapiens G protein-coupled receptor 24 (GPR24), mRNA
		00+100		ST HUMAN	#68008.X2 NCL CGAP_Pen1 Homo septens cDNA clone IMAGE:2222635 3' similer to SW:RL11_RAT P25121 605 RIBOSOMAL PROTEIN L11, xontains Alu repetitive element;
		0.0E+00,		EST HUMAN	EST367470 MAGE resequences, MAGD Homo saplens cDNA
		0.0E+00		71	Homo sapiens telomerase reverse transcriptase (TERT) gene, exons 1-6
		0.0E+00		17	Homo sapiens telomerase reverse transcriptase (TERT) gene, exons 1-8
		0.0E+00	7657213	TN	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA
16582 29599		0.0E+00	7657213	۲N	Homo sapiens hormonally upregulated neu tumor-associated kinase (HUNK), mRNA
L		0.0E+00	4502582	NT	Homo sapiens caspase 8, apoptosis-related cysteine protease (CASP8) mRNA
		0.0E+00	4502682	L	Homo sapiens caspase 8, apoptosls-related cysteine protease (CASPB) mRNA
		0.0E+00		NT	Homo sapiens pyrin (MEFV) gene, complete cds
16590 29606		0.0E+00		LN	Homo sapiens mRNA for KIAA1607 protein, partial ods
		0.0E+00		EST_HUMAN	601464995F1 NIH_MGC_67.Homo sepiens cDNA clone IMAGE:3868246 67
					wb10f04.x1 NCI_CGAP_GCS Homo sapiens cDNA clone IMAGE:2305279 3' similar to TR:Q81929 Q91929
	٥	0.0E+00	AI632569.1	1	ZINC FINGER PROTEIN.;
١		0.0E+00	AU123664.1	7	AU123664 N 12KWZ HOMO SEPTENS CLNA GONE I ZKWZUOU 33 3
16659 29671		0.0E+00	7706239	Ę	Homo sapiens neurobiastoma-amplitied protein (LOC51594), mKNA
16586 16587 16587 16587 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586 16586		29624 29535 29535 29536 29536 29549 29550 29550 29550 29550 29598 29599 29598 29599 29604 29604 29607 29607 29607 29607 29607 29607 29607 29607 29607 29607 29607	29624 0.96 29527 4.06 29535 1.34 29536 1.34 29549 3.66 29550 0.96 29550 0.96 29550 0.96 29550 0.96 29550 0.96 29550 1.03 29590 2.41 29590 1.03 29590 1.03 29590 1.03 29500 1.03 29601 1.29 29601 1.29 29601 1.29 29601 1.29 29601 1.29 29601 1.03 29601 1.03 29601 1.03 29601 1.03 29601 1.03 29601 1.03 29601 1.03 29601 1.03 29601 1.03 29601 1.03 29601 1.03	29624         0.85         0.0E+00         AF01941           29627         4.06         0.0E+00         AF05608           29635         1.34         0.0E+00         AF05508           29536         1.34         0.0E+00         AF26520           29550         0.96         0.0E+00         AF26520           29550         0.96         0.0E+00         AF26520           29573         0.72         0.0E+00         AF26520           29563         1.42         0.0E+00         AF26622           29589         3.14         0.0E+00         AF12869           29596         2.41         0.0E+00         AF12869           29599         1.03         0.0E+00         AF1116           29604         1.03         0.0E+00         AF1116           29604         1.03         0.0E+00         AF1116           29607         1.29         0.0E+00         AF11116           29607         0.79         0.0E+00         AF11116           29607         0.79         0.0E+00         AF11116           29607         0.79         0.0E+00         AF11116           29607         0.0F+00         AF004094	29624         0.96         0.0E+00         AF019413.1         NT           29627         4.06         0.0E+00         AF05084.1         NT           29636         1.34         0.0E+00         4502014 NT         -           29639         1.34         0.0E+00         AF05081 NT         NT           29639         1.34         0.0E+00         AF265208.1         NT           29630         0.36         0.0E+00         AF265208.1         NT           29630         0.36         0.0E+00         AF265208.1         NT           29630         0.37         0.0E+00         AF265208.1         NT           29631         0.72         0.0E+00         AF86312.NT         NT           29689         3.14         0.0E+00         AF128831.1         NT           29596         2.41         0.0E+00         AF128831.1         NT           29596         1.03         0.0E+00         AF128831.1         NT           29604         1.03         0.0E+00         AF02381.NT         NT           29604         1.03         0.0E+00         AF02381.NT         NT           29604         1.02         0.0E+00         AF020381.NT         NT

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Top Hit Descriptor	Homo sapiens T-type calcium channel alpha1 subunit Alpha11-a iscform (CACNA11) mRNA, complete cds	MR1-SN0033-100400-001-c08 SN0033 Homo sepiens cDNA	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	Homo sapiens beaded filament structural protein 1, filensin (BFSP1) mRNA	Homo sapiens leukocyte Immunoglobulin-like receptor, subfamily A (with TM domain), member 2 (LILRA2), mRNA	Homo sapiens skeletal muscle LIM-protein 1 (FHL1) gene, complete cds	Homo sapiens death receptor 6 (DR6), mRNA	Bacteriophage P1 replication region including repA, parA, and parB genes and incA, incB, and incC incompatibility determinants	Homo sapiens protein tyrosine phosphatase, receptor type, T (PTPRT), mRNA	Homo sapiens met proto-oncogene (hepatocyte growth factor receptor) (MET) mRNA	wp14d10.x1 NCI_CGAP_Lu19 Homo saplens cDNA clone IMAGE:2464819 3' similar to TR:O73634 O73634 NEURAL CELL ADHESION MOLECULE. ;	wpr4d10.x1 NCI_CGAP_LL19 Homo sapiens cDNA clone IMAGE:2464819 3' similar to TR:O73634 O73634 NEURAL CELL ADHESION MOLECULE. ;	Homo sapiens mRNA for putative ankyrin-repeat containing protein (ORF1)	Homo sapiens 14 fos FBJ murine osteosarcoma viral oncogene homolog (FOS), mRNA	Homo sapiens v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS), mRNA	Human endogenous retrovirus HERV-K10	Human MDS1A (AML1/MDS1 fusion) mRNA, partial cds	Homo sapiens cell-line KG1 transcriptional regulatory protein p64 mRNA, complete cds	Homo sapiens cell-line KG1 transcriptional regulatory protein p54 mRNA, complete ods	Homo sapiens chromosome 21 unknown mRNA	601143853F1 NIH_MGC_15 Homo sapiens cDNA clone IMAGE:3051373 5'	601143853F1 NIH_MGC_15 Homo sapiens cDNA clone IMAGE:3051373 5'	Homo saplens potassium voltage-gated channel, isk-related family, member 2 (KCNE2) mRNA	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HA2303)	re35g12.x1 Sogres_NhHMPu_S1 Homo sepiens cDNA clone IMAGE:2088742.3' similar to TR:000498 000498 MYASTHENIA GRAVIS AUTOANTIGEN GRAVIN ;	Homo sapiens mRNA for KIAA1153 protein, partial cds	Homo sapiens mRNA for KIAA1153 protein, partial cds
Top Hit Database Source	NT	EST_HUMAN	NT	TN	NT	NT	· FA	FZ	TN	N-I	LN L	EST HUMAN	EST HUMAN	N	NT	NT	TN	TN	NT	ĹN	LΝ	EST_HUMAN	EST_HUMAN	NT	SWISSPROT	EST_HUMAN	TN	TN
Top Hit Acession No.	0.0E+60 AF211189.1	0.0E+00 AW867015.1	7662401 NT	7662401 NT	4502398 NT	5803067 NT	0.0E+00 AF110763.1	TN 8607697	(02380.1	7427522 NT	4557746 NT	0.0E+00 AI935159.1	0.0E+00 AI935159,1	0.0E+00 AJ278120.1	6552332 NT	6552332 NT	414123.1	143293.1	0.0E+00 AF045452.1	0.0E+00 AF045452.1	0.0E+00 AF231922.1	0.0E+00 BE304791.1	0.0E+00 BE304791.1	4826795 NT	<b>D14867</b>	0.0E+00 Al384007.1	0.0E+00 AB032979.1	0.0E+00 AB032979.1
Most Similar (Top) Hit BLAST E Value	0.0E+90	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 ₽	0.0E+00	0.0E+00 K02380.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M14123.1	0.0E+00 U43293.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00   O14867	0.0E+00	0.0E+00	0.0E+00
Expression Signal	1.26	0.94	2.02	202	0.92	2.35	3.08	2.46	5.5	1.38	1.83	4.17	4.17	1.91	5.38				2.57	257	1.18	3.29	3.29	1.04	0.8	0.89		
ORF SEQ ID NO:	29672		29687	29688	29689	29690	29015	29703	29708	29711	29714					29735		29747				L			L	29782		29802
Exon SEQ ID NO:	16880	16665	16677	16877	16678			ŀ		ŀ	i.							16731	16739	1	ı	16758	16758	_	L	16787	L	Ц
Probe SEQ ID NO:	3493	3408	3511	3511	3512	3514	3523	3528	3532	3535	3538	3544	3544	3548	3555	3555	3560	3566	3574	3574	3582	3594	3594	3597	3600	3803	3621	3621

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					.0)	PORTO I I I I PORTO DI BILITO	
Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
3623	16787	29803	0.68		0.0E+00 AA456282.1	EST_HUMAN	zx89h04.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:811927 5'
3623	16787	29804	89.0		0.0E+00 AA456282.1	EST_HUMAN	ಶ್ರಕ್ಕಿ064.r1 Sogres_NhHMPu_S1 Homo septens cDNA clone IMAGE:811927 5
3630	16794	29811	1.45		0.0E+00 AV701869.1	EST_HUMAN	AV701889 ADB Homo sapiens cDNA clone ADBDAH06 6'
3831	16795				4506884 NT	NT	Homo sapiens semenogelin II (SEMG2) mRNA
3633	16797		1.17		0.0E+00 AF078868.1	IN	Homo sapiens homologous yeast-44.2 protein mRNA, complete cds
3842	16806	29820	4.7		0.0E+00 AL133204.1	NT	Novel human gene mapping to chomosome X
3644	16807	L	1.16		0.0E+00 AB040909.1	TN	Homo sapiens mRNA for KIAA1478 protein, partial cds
3666						NT	Homo sapiens sal (Drosophila)Hike 1 (SALL1), mRNA
3665	16828	29838				TN	Homo seplens sal (Drosophila)-like 1 (SALL1), mRNA
3667	16830		1.06	0.0E+00	6325463 NT	NT	Homo sapiens butnophilin, subfamily 3, member A3 (BTN3A3), mRNA
3672	16835		4.28		0.0E+00 AW852217.1	EST_HUMAN	QV0-CT0225-230300-169-e01 CT0225 Homo saplens cDNA
3579	16842		1.28		0.0E+00 AF118846.1	M	Homo capions gamme-glutamylcysteine synthetase (GLCLC) gene, partial cds
3680	16843				0.0E+00 BF676393.1	EST HUMAN	602084583F1 NIH_MGC_83 Homo saplens cDNA clone IMAGE:4248598 5'
3704	ı				0.0E+00 BF672054.1	EST_HUMAN	602152486F1 NIH_MGC_81 Horno saplens cDNA clone IMACE:4293645 5
3704	1	29869	0.59		0.0E+00 BF672054.1	EST_HUMAN	602152486F1 NIH_MGC_81 Homo sapiens cDNA clone IMAGE:4293645 5'
3706	16866			0.0E+00	4826967 NT	뉟	Homo sepiens retinoblastoma-binding protain 2 (RBBP2) mRNA
3707	16868			l	0.0E+00 AW664693.1	EST_HUMAN	hi84g01.x1 Sogres_NFE_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2979024 3'
3707	1	3 29872	0.76	l.	0.0E+00 AW664693.1	EST_HUMAN	hi84g01.x1 Soares_NFL_T_GBC_S1 Homo saplens oDNA clone IMAGE:2979024 3'
3711	16872	29876		0.05+00	4826763 NT	LN L	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 1 (HS3ST1) mRNA
3713		L		0.0E+00	7662319 NT	NT	Homo sapiens KiAA0806 gene product (KIAA0806), mRNA
37.20				0.0E+00		TN	Homo sapiens midline 1 (Opitz/BBB syndroma) (MID1) mRNA
3720			0.74		4557752 NT	FZ	Homo espiens midline 1 (Opitz/BBB syndrome) (MID1) mRNA
3737	16898		2.36		0.0E+00 D87327.1	LN	Homo sapiens mRNA for G protein-coupled Inward rectifier potassium channel, complete cds
3741	16902		6.29		7669491 NT	FN	Homo sepiens glyceraldehyde-3-phosphata dehydrogenese (GAPD), mRNA
3757	7 16918		3.98		0.0E+00 AB026542.1	FN	Homo sapiens WAVE2 mRNA for WASP-family protein, complete cds
3759			1.06		0.0E+00 AB007866.2	NT	Homo sapiens mRNA for KIAA0406 protein, partial cds
3761	16922	L	5.18		0.0E+00 AF124250.1	NT	Homo saplens SH2-containing protein Nsp2 mRNA, complete cds
3761	16922		5.16		0.0E+00 AF124250.1	NT	Homo sapiens SH2-containing protein Nsp2 mRNA, complete cds
3767	16928	8 29932	32.49		0.0E+00 AA852743.1	EST_HUMAN	NHTBCae15g09f1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBCae15g09
3767	16928	29933	32.49		0.0E+00 AA852743.1	EST_HUMAN	NHTBCae15g08f1 Normal Human Trabecular Bone Cells Homo saptens cDNA cione NHTBCae15g09
3770	İ				0.0E+00 AL163204,2	TN	Homo sapiens chromosome 21 segment HS21C004
3770	16931	29936	1.95		0.0E+00 AL163204.2	NT	Homo sepiens chromosome 21 segment HS21C004

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אַר ווין ומיסוונמ	Top Hit Descriptor	NA for KIAA0333 gene, partial cds	NA for KIAA0333 gene, partial cds	22-281099-005-e05 CT0222 Homo sapiens cDNA	กร matrix metalloproteinase 24 (membrane-inserted) (MMP24), mRNA	ans mRNA for KJAA0796 protein, partial ods	TRANSCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG 1) (HA2303)	ans mRNA for KIAA0910 protein, partial cds	ans mRNA for KIAA0910 protein, partial cds	UI-H-BW0-gls-e-12-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2733022.3	UI-H-BW0-ejs-e-12-0-UI,s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2733022 31	te for Type XIX collagen a1 chain, exon 6	ae08g01.r1 Soares_NhHMPu_S1 Homo seplens cDNA clone INAGE:812496 5' similar to SW:KRB4_SHEEP P02445 KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIB4. [1] ;	Homo saplens similar to rat Integral membrane glycoprotein POM121 (POM121L1), mRNA	ans mRNA for KIAA144 protein, partial cds	ans KIAA0569 gene product (KIAA0569), mRNA	ans ribosomal protein S2 (RPS2) mRNA	ans v-ets avian eryfhroblastosis virus E26 oncogene related (ERG), mRNA	ens v-ets avian erythroblastosis virus E26 oncogene related (ERG), mRNA	ens plasminogen activator inhibitor, type II (arginine-serpin) (PAI2) mRNA	ens soluble neuropilin-1 mRNA, complete cds	ens DNA mismatch repair protein (MLH3) gene, complete cds	tytes offactory receptor (PTR208) gene, partial cds	Homo sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	Homo sapiens similar to rat Integral membrane glycoprotein POM121 (POM121L1), mRNA	Homo sapiens smooth muscle myosin heavy chain SM1 mRNA, alternatively spliced, partial cds	lla olfactory receptor (GGO71) gene, partial cds	lla offactory receptor (GGO71) gene, partial cds	Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2091307 3'	ens protocadherin beta 3 (PCDH-beta3) mRNA, complete cds	ens desmoplakin (DPI, DPII) (DSP) mRNA	Homo sapiens ATP-sensitive inwardly rectifying K-channel subunit (KCNJ6/BIR1) gene, complete cds	ens methyl CpG binding protein 2 (MECP2), mRNA
Single Exert Fredes Expressed in Fracetica	Top Hit Descriptor	Human mRNA for KIAA0333 gene, partial cds	Human mRNA for KIAA0333 gene, partial cds	MR2-CT0222-281099-005-e05 CT0222 Homo sapiens cDNA	Homo saplens matrix metalloproteinase 24 (membrane-inserted) (MMP24), mRNA	Homo sapiens mRNA for KIAA0796 protein, partial cds	ISCRIPTION REGULATOR PROTEIN BACH1 (BTB AND CNC HOMOLOG	Homo sapiens mRNA for KIAA0910 protein, partial cds	Homo sapiens mRNA for KIAA0910 protein, partial cds	BW0-ajs-e-12-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:	BW0-ajs-e-12-0-Ui.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE	Human gene for Type XIX collagen a1 chain, exon 6	ae08g01.r1 Soares_NhHMPu_S1 Homo sepiens cDN4 clone IM4GE:812496 5' similal SW:KRB4_SHEEP P02445 KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIB4. [1]	saplens similar to rat integral membrane glycoprotein POM121 (POM121L1),	Homo saplens mRNA for KIAA1414 protein, partial cds	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo saplens ribosomal protein S2 (RPS2) mRNA	Homo sapiens v-ets avian erythroblastosis virus E26 oncogene related (ERG), mRNA	Homo sapiens v-ets avian erythroblastosis virus E26 oncogene related (ERG), mRNA	Homo sepiens plasminogen activator inhibitor, type II (arginine-serpin) (PAI2) mRNA	Homo sapiens soluble neuropilin-1 mRNA, complete cds	Homo sapiens DNA mismatch repair protein (MLH3) gene, complete cds	Pan troglodytes olfactory receptor (PTR208) gene, partial cds	sapiens similar to rat integral membrane glycoprotein POM121 (POM121L1),	sapiens similar to rat Integral membrane glycoprotein POM121 (POM121L1),	sapiens smooth muscle myosin heavy chain SM1 mRNA, alternatively spliced	Gorilla gorilla olfactory receptor (GGO71) gene, partial cds	Gorilla gorilla olfactory receptor (GGO71) gene, partial cds	te62f10.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2091307.3	Homo saplens protocadherin beta 3 (PCDH-beta3) mRNA, complete cds	Homo sapiens desmoplakin (DPI, DPII) (DSP) mRNA	saplens ATP-sensitive inwardly rectifying K-channel subunit (KCNJ6/BIR1) g	Homo sapiens methyl CpG binding protein 2 (MECP2), mRNA
מפס ביצו		Hume	Hume		Homo	Homo		Homo							Home	Нош	Hom	Hom	Hom	Hom	Hom	Homo	Pant	Hom	Hom	Hom	Garill	Gorill		Hom	Hom	Hom	Hom
באסנו גוני	Top Hit Database Source	FZ	ΙN	EST_HUMAN	トフ	TN	SWISSPROT	NT	NT	EST_HUMAN	EST_HUMAN	۲	EST_HUMAN	NT	NT	Ę	Ę	Þ	둗	뉟	ΤN	٦	NT .	LΝ	N.	LN	ΝT	LN	EST_HUMAN	Ν	NT	TN	Z
aifilio	Top Hit Acessian No.		0.0E+00 AB002331.1	0.0E+00 AW851714.1	5729928 NT	0.0E+00 AB018339,1		0.0E+00 AB020717.1	П		0.0E+00 AW298134.1	0.0E+00 AB004630.1	0.0E+00 AA463659.1	7657468 NT	0.0E+00 AB037835.1	7662183 NT	4506718 NT	7657065 NT	7657065 NT	4505594 NT	0.0E+00 AF145712.1	0.0E+00 AF195658.1	0.0E+00 AF179733.1	7657468 NT	7657468 NT	0.0E+00 AF020091.1		0.0E+00 AF127851.1	0.0E+00 AI377699.1	0.0E+00 AF152498.1	4758199 NT	0.0E+00 S78685.1	7710148 NT
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 O14867	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	00±30'0	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	66.0	0.99	2.4	2.37	1.15	0.74	1.02	1.02	5.42	5.42	1.04	1.17	3.23	0.83	5.72	18.03	1.52	1.52	8.94	1.96	0.73	2.36	236	236	1.74	1.05	1.05	1.29	~	2.6	15.6	
	ORF SEQ ID NO:	29937	29938	29941	29943	29945	29947	29949	29950	29959	29960	29986	29987	29993	30003	30015	30018	30023	30024	30027	30077		30079	30083	30084			30093			30095	30096	
	Exon SEQ ID NO:	16932	16932	16935	16937	16939	16941	16943	16943	16955	16955	16983	16984	Ľ	1	1	17019		ı	1		l	1	17087	17087		ŀ		l	17096		17089	1
	Probe SEQ ID NO:	3771	3771	3774	3776	3778	3780	3782	3782	3794	3794	3823	3824	3831	3841	3856	3859	3866	3868	3869	3922	3924	3925	3928	3928	3929	3935	3935	3936	3937	3938	3940	3942

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Hit Descriptor Top Hit Descriptor	Homo saplens KIAA0569 gene product (KIAA0569), mRNA	Homo sapiens myosin light chain kinase isoform 2 (MLCK) mRNA, complete cds	Homo saplens myosin light chain kinase Isoform 2 (MLCK) mRNA, complete cds	Homo sapiens gene for TMEM1 and PWP2.complete and partial cds	Homo sapiens gene for TMEM1 and PWP2, complete and partial cds	Homo sapiens transient receptor potential channel 5 (TRPC5), mRNA	Homo saplens chromosome X open reading frame 5 (CXORF5) mRNA	Homo saplens chromosome X open reading frame 5 (CXORF5) mRNA	Human zinc finger protein ZNF134 mRNA, complete ods	Homo saplens intersectin short isoform (ITSN) mRNA, complete cds	Homo saplens potassium voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Homo sepiens familial mental retardation protein 2 (FMR2) gene, exon 11	Homo saplens SC35-Interacting protein 1 (SRRP129), mRNA	Homo saplens amphiphysin gene, partial ods	П	╗	Homo saplens chranosome 21 segment HS21C048		HUMAN   DKFZp434N0413_71 434 (synonym: hies3) Homo sapiens cDNA clone DKFZp434N0413 5/	Homo sapiens AP1 gamma subunit binding protein 1 (AP1GBP1), mRNA	Homo septens AP1 gamma subunit binding protein 1 (AP1GBP1), mRNA	Homo saplens glutamate receptor, metabotropic 3 (GRM3) mRNA	Homo saplens metanoma antigen, family B, 1 (MAGEB1) mRNA	Homo sapiens HBP17 heparin-binding and FGF-binding protein gene, complete cds	Homo seplens ryanodine receptor 3 (RYR3) mRNA	Homo saplens zinc finger protein (KIAA0412) mRNA	Г	MXRA5 Human matrix tissue expression library Homo sapiene oDNA clone incyte 1996726 similar to MXRA5			T	Homo sapiens F-box protein Fbi3b (FbL3b) mkNA, partial cds	Homo saplens olfactory receptor (OR7-141) gene, partial cds
Top Hit Database Source	۲	NT	INT	TN	NT	μ	TN	NT	ΙN	NT	F	ΪN	눌	ΝT		EST HUMAN	μ		<b>I</b>	ΝΤ	NT	N	μ	ΙN	NT.	Ŀ	EST_HUMAN		EST_HUMAN		EST_HUMAN	ż	Ļ
Top Hit Acession No.	7662183 NT	0.0E+00 AF069601.2	0.0E+00 AF069601.2	0.0E+00 AB001523.1		6912735 NT	4503178 NT	4503178 NT	0.0E+00 U09412.1	0.0E+00 AF114488.1	4828783 NT	0.0E+00 AF012615.1	39171	0.0E+00 AF099117.1		0.0E+00 AI864727.1	0.0E+00 AL163248.2	4506742 NT	0.0E+00 AL040338.1	6005887 NT	6005887 NT	4504138 NT	4505078 NT	0.0E+00 AF149412.1	4506758 NT	4585642 NT	0.0E+00 BF355265.1		0.0E+00 AW888221.1		_		0.0E+00 U86281.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00				
Expression Signal	1.78	1.62	1.62	1.02	1.02	0.0	8.98	96.9	4.85	1.12	1.23	1.44	2.87	0.77		3.22	1.03	18.17	1.33	1.9	1.9	3.94	2.26	76.0	2.65	1.9	5.14		1.37		1.37	3.05	1.14
ORF SEQ ID NO:	30089	30101	30102	30107	30108		L		30121	L	30124	L		1		30140	30141		L	30158	30159	30161	L	30164			30191		30193		30194		30204
SEQ ID	17102	17105	17105	17109	17109	17110	17115	17115	17117	17118	17121	17124	17125	17127		17136	17137	17140	17145	17151	17151	17153	17164	17158	17170	17174	17182		17184	l	- 1		17194
Probe SEQ ID NO:	3943	3946	3946	3951	3951	3952	3967	3957	3959	3980	3963	3966	3967	3969		3979	3980	3983	3988	3994	3994	3996	3997	4004	4013	4017	4026		4028		4028	4035	4038

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SEO ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
17194	30205	1.14	0.0E+00	0,0E+00 U86281.1	ΤN	Homo sapiens olfactory receptor (OR7-141) gene, partial cds
17198		3.47	0.0E+00	0.0E+00 BE378602.1	EST_HUMAN	601236966F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3608800 5'
17199		12	0.0E+00		EST HUMAN	601153727F1 NIH_MGC_19 Homo eqpiens cDNA clone IMAGE:3509743 5
17207		1.28	0.0E+00	AW580740.1	EST_HUMAN	PM3-LT0031-100100-003-h09 LT0031 Homo sapiens cDNA
17208	30218	1.03	0.0E+00	5360215 NT	IN	Homo sapiens iduronate 2-sulfatase (Hunter syndrome) (IDS), transcript variant 1, mRNA
17233		8.0		0.0E+00 U10991.1	TN	Human G2 protein mRNA, partial cds
17233	33 30239	0.8		0.0E+00 U10991.1	TN	Human G2 protein mRNA, partial cds
17233		0.8		0.0E+00 U10991.1	NT	Human G2 protein mRNA, partial cds
17239			0.0E+00		Ę	Homo saplens cancer-testis antigen CT10 (CT10) gene, complete cds
17239		9.31	0.0E+00	0.0E+00 AF116195.1	LN	Homo saplens cancer-testis antigen CT10 (CT10) gene, complete cds
17248	48	3.51	0.0E+00	0,0E+00 MZ3910.1	IN	Human MHC class II lymphocyte antigen DPw4-beta-2 pseudogene, exon 2
17250	20	7.25	0.0E+00	0.0E+00 AL163303.2	F	Homo sapiens chromosome 21 segment HS21С103
17258	58 30258		0.0E+00		NT	Homo sapiens ohromosome 21 segment HS21C084
17266	30266	2.13	0.0E+00	0.0E+00 AL163268.2	Ę	Homo sapiens chromosome 21 segment HS21 0068
17281		111.8		3470	N	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA
17287	128	0.99	0.0E+00	0.0E+00 A1667076.1	1 EST_HUMAN	#55g08.x1 NG_CGAP_GC6 Homo saplens cDNA clone IMAGE:2244734 3' similar to TR:060309 060309 KIAA0563 PROTEIN ;
17289	30284	1.91	0.0E+00		NT	Homo sapiens KiAA0569 gene product (KIAA0569), mRNA
17290		285		0.0E+00 U09366.1	F	Human zinc finger protein ZNF133
17308	30304	9	0.0E+00	0.0E+00 AB015610.1	L L	Chlorocebus aethiops mRNA for ribosomal protein S4X, complete cds
17316	18	3.22	0.0E+00		Ņ	Homo sapiens mRNA for UGA suppressor tRNA-associated antigenic protein (tRNA48 gene)
17827	27 30318	1.58	0.0E+00	0.0E+00 AL163203.2	NT	Homo sapiens chromosome 21 segment HS21C003
17328				0.0E+00 AJ277276.1	⊢N	Homo seplens mRNA for rapa-2 (rapa gene)
17328		2.68	_	0.0E+00 AJ277276.1	Ä	Homo saplens mRNA for rapa-2 (rapa gene)
17335	35 30327		0.0E+00		L'N	Homo sapiens retinoblastoma-binding protein 4 (RBBP4) mRNA
17335	35 30328		0.0E+00	5032026 NT	Ā	Homo saplens retinoblastoma-binding protein 4 (RBBP4) mRNA
					<u> </u>	Homo sapiens phosphoribosyglycinamide formyltransferase, phosphoribosyglycinamide synthetase,
1/344					Į.	A I A CONTROLL A STATE OF THE S
133				2206	Į.	Homo saplens G protein-coupled receptor 21 (GPK21), mxnA
13				AB00662	FZ	Homo sepiens mRNA for KIAA0287 gene, partial cds
17355		1.26			NT.	Homo sepiens ras GTPase activating protein-like (NCAP) mRNA
5			0.0E+00	11419297	LN	Homo sapiens IMP (inosine monophosphate) dehydrogenase 1 (IMPDH1), mRNA
17357		4.33		0.0E+00 AL096867.1	LN	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes

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					· 6		Chigh Charles Labore Labored In Fladelina
Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
4209	17358		0.98	0.0E+00	0.0E+00 AA018975.1	EST HUMAN	ze55609.r1 Soares retina N2b4HR Homo sapiens cDNA clone IMAGE:362920 5' similar to contains Alu repetitive element;
4218	17367	30356	5.32	0.0E+00	0.0E+00 AF165527.1	LN	Homo sapiens DGCR8 (DGCR8) mRNA, complete cds
4227	14310		0.7	0.0E+00	4826947 NT	NT	Homo sapiens protein kinase, X-linked (PRKX) mRNA
4227	14319		0.7	0.0E+00	4826947 NT	NT	Homo sapiens protein kinase, X-linked (PRKX) mRNA
4234	17381	30369	1.32	0.0E+00	4503854 NT	LN	Homo saplens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA
4234				0.0E+00		IN	Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA
4236				0.0E+00	4506884 NT	IN	Homo sapiens semenogelin II (SEMG2) mRNA
4238				0.0E+00	B922391 NT	LZ LZ	Homo sepiens hypothetical protein FLJ10379 (FLJ10379), mRNA
4238	17384	82608	0.91	0.0E+00	8922391 NT	TN	Homo sapiens hypothetical protein FLJ10379 (FLJ10379), mRNA
4244	17390	20377	0.85	0.0E+00	0.0E+00 AB020702.1	NT	Homo sapiens mRNA for KIAA0885 protein, partial cds
4252	17398	98808	5.57	0.0E+00	0.0E+00 AI982597.1	EST_HUMAN	wu04d04.x1 NCI_CGAP_GC6 Homo saplens cDNA clone IMAGE:2515975 3'
4252	17398	30387	5.57	0.0E+00	0.0E+00 A1982597.1	EST_HUMAN	wu04d04.x1 NCI_CGAP_GC8 Home septens eDNA clone IMAGE:251597637
4255	17400	30389	1	0.05+00	0.0E+00 BE184856.1	EST_HUMAN	MR1-H10707-100500-001-e02 H10707 Hamo saplens cDNA
4255	17400	06808	1	0.0E+00	0.0E+00 BE184856.1	EST_HUMAN	MR1-HT0707-100500-001-a02 HT0707 Homo sapiens cDNA
4259	17404		5.89	0.0E+00	0.0E+00 BE274217.1	EST HUMAN	601120778F1 NIH_MGC_20 Homo capiens cDNA clone IMAGE:2987690 5'
4265	17410	30398	2.07	0.0E+00	5729725 NT	TN	Homo saplens nuclear receptor coactivator 3 (NCOA3), mRNA
4272	17417		87.8	00000	0 0E+00 AWR75599 1	NAMILE TOO	ba51f04.xt NIH_MGC_10 Homo saplens cDNA clone IMAGE:2900095 3' similar to SW:THI2_BOVIN
4277	17422	30410	1 12	00+400	0 0F+00 AW40B788 1	EST HIMAN	SECTION TO SECTION THE MICE OF SECTION SECTIONS AND AND AND AND AND AND AND AND AND AND
4278	1	30411	1.55	0 0F+00	B92248RINT	LN	Homo sepiens brothetical motion F1.10.2001 and sepiens COVID Sepiens BNA Homo sepiens brothetical motion F1.10.2001 and F1.10.
4278		30412	1.55	0.0E+00		F	Homo saplens hypothetical protein FLJ10498 (FLJ10498), mRNA
4287	17432		235	0.0E+00	5174632 NT	L	Homo saplens polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly, sea urchin homologhike (PKDREJ) mRNA
4300	17443	30429	1.07	0.0E+00	AB03773	NT	Homo saplens mRNA for KIAA1318 protein, partial cds
4309	17452	30438	11.47	0.0E+00	0.0E+00 AA401438.1	EST_HUMAN	zu68h07.st Soares, testis, NHT Homo sapiens cDNA clone IMAGE:743197 3' similar to contains Alu repetitive element;contains element MER35 repetitive element;
4309	17452	30439	11.47	005+00	0.05+00.44401438.4	HET HIMAN	zu68h07.st Soares_lestis_NHT Homo sapiens cDNA clone IMAGE:743197 3' similar to contains Alu repositive element management MERSE repositive element management of the second seco
4312		30443	1.2	0.0E+00	0.0E+00 AF157475.1	LZ	Homo sapiens DNA polymerase zata catalytic subunit (REV3) mRNA, complete cds.
4338	17481	30461	8.09	0.0E+00	4758199 NT	TN	Homo saplens desmoplakin (DPI, DPII) (DSP) mRNA
4338	17481	30462	8.09	0.0E+00	4758199 NT	NT.	Homo sapiens desmoplakin (DPI, DPII) (DSP) mRNA
4345	17488		0.86	0.0E+00	3.2	NT	Homo saplens chromosome 21 segment HS21C103
4388	17531	30512	5.01	0.0E+00 J02610.1		NT	Human apolipoprotein B-100 mRNA, complete cds

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Probe Exon SEQ ID SEQ I

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Top Hit Descriptor	Homo saplens HPS1 gene, Intron 5	seq1329 b4HB3MA Cot8-HAP-Ft Homo sapiens cDNA clone b4HB3MA-COT8-HAP-Ft205 5'	seq1329 b4HB3MA Cd8-HAP-Ft Home sepiens oDNA clone b4HB3MA-COT8-HAP-Ft205 5'	Human endogenous retrovirus HERV-K10	xe88e08.x1 NCI_CGAP_Eso2 Homo sapiens cDNA clone IMAGE:2589446 3' similar to SW:AHNK_HUMAN Q09868 NEUROBLAST DIFFERENTIATION ASSOCIATED PROTEIN AHNAK;	Homo sapiens LIM domain kinase 2 (LIMK2), transcript variant 2a, mRNA	Homo sapiens vascular endothelial cell growth factor 165 receptor/neuropilin (VEGF165) mRNA, complete	cds	Homo sapiens chromosome 21 segment HS210007	PM1-HT0305-101189-002-d03 HT0305 Homo sapiens dDŅA	Homo saplens mRNA for putative ankyrin-repeat containing protein (ORF1)	Homo saplens mRNA for putative ankyrin-repeat containing protein (ORF1)	Homo sapiens G protein-coupled receptor 50 (GPR50) mRNA	Homo sapiens serine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sapiens ATP-sensitive inwardly rectifying K-channel subunit (KCNJ6/BIR1) gene, exon	Homo sapiens pyrin (MEFV) gene, complete ods	Homo seplens pyrin (MEFV) gene, complete cds	Homo sepiens zinc finger protein 195 (ZNF195), mRNA	Homo saplens syncytin precursor, mRNA, complete cds	Homo sapiens protocadherin gamma C3 (PCDH-gamma-C3) mRNA, complete cds	Homo sapiens zinc finger protein 211 (ZNF211), mRNA	Homo sapiens eukaryotto translation elongation factor 1 alpha 1 (EEF1A1) mRNA	Homo sapiens low density lipoprotein receptor-related protein 6 (LRP6) mRNA, and translated products	Homo sapiens chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4), mRNA	Homo sapiens calcium/calmodulin-dependent protein kinase IV (CAMK4) mRNA	Homo saplens iduronate sulphate sulphatase (IDS) gene, complete cds	Homo sapiens KIAA0390 gene product (KIAA0390), mRNA	Homo sapiens KIAA0390 gene product (KIAA0390), mRNA	Homo sapiens PTEN (PTEN) gene, exons 3 through 5	Homo sapiens mRNA for G7c protein (G7c gene located in the class III region of the major histocompatibility i complex)
Top Hit Database Source			EST_HUMAN		EST HUMAN				NT	T HUMAN	NT	NT							LΝ	LN									N.	ΤN
Top Hit Acession No.	0.0E+00 AF200629.1	110233.1	r10233.1	114123.1	0.0E+00 AW084964.1	TN 6191619				0.0E+00 AW381570.1	0.0E+00 AJ278120.1	0.0E+00 AJ278120.1	4758467 NT	0.0E+00 AF108B30.1	378684.1	0.0E+00 AF111163.1	0.0E+00 AF111163.1	EV 6006973 NT	0.0E+00 AF208161.1	\F152337.1	5464175 NT	4503470 NT	4505016 NT	4503098 NT	4502556 NT		7662091 NT	7662091 NT	0.0E+00 AF143314.1	0.0E+00 AJ245418.1
Most Similar (Top) Hit BLAST E Value	0.0E+00 /	0.0E+00	0.0E+00 T10233.1	0.0E+00 M14123.1	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0,0E+00 S78684.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 L35485.	0.0E+00	0.0E+0D	0.0E+00	0.0E+00
Expression Signal	2.29	0.65	0.65	0.80	727.37	2.97		1.48	8.47	26.0	1.3	1.3	1.08	2.07	1.02	1.2	1.2	3.18	20.18	2.17	2.17	59.97	0.73	1.84	1.03	3.19	15.03	15.03	287	11.57
ORF SEQ ID NO:		30726	30727		30742			30745		30750	30757	30758	30760	30761	30770	30771	30772	30783	30788		30799	30808	30814	30817	30823		30826	30827	L	30844
Exon SEQ ID NO:	17728	17747	17747	ſ	17760	(		17763	17787	17769	17778	17778	17778	17779	17787	17788	17788	L.	17801	17806	17809	17820	17828	17832	Ĺ		17844	17844	17859	17882
Probe SEQ ID NO:	4591	4610	4610	4613	4623	4625		4627	4631	4633	4840	4640	4642	4843	4651	4652	4652	4661	4666	4671	4674	4685	4693	4697	4702	4707	4709	4709	4724	4727

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<b></b>	1	Т	Г	Τ-	Г		Т	Τ.	г-	Г	Т		_	Т	Т	г	J <sup>‡</sup>	Ťů.	•	-	7	1111	Т	in.	1-3	r	۱۳.	<del>, 1</del> 1.	1 4	一句
Top Hit Descriptor	Homo saplens mRNA for G7c protein (G7c gene located in the class III region of the major histocompatibility complex)	zp18g08.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:609854 3'	Homo saplens odz (odd Oz/ten-m, Drosophila) homolog 1 (ODZ1), mRNA	Homo saplens chromosome 21 segment HS21C084	Homo sapiens cyclophilin-related protein (NKTR) gene, complete cds	Homo sapiens chromosome 21 segment HS21C100	Homo saplens gene for natriuretic protein, partial cds	Homo saplems DNA mismatch repair protein (MLH3) gene, complete cds	Novel human gene mapping to chomosome 1	Homo saplens keratin 18 (KRT18) mRNA	Homo sapiens keratin 18 (KRT18) mRNA	Homo sapiens inwardly-rectifying potassium channel Kir2.1 (KCNJ2) gene, exon 2 and complete ods	Homo sapiens inwardly-rectifying potassium channel Kir2.1 (KCNJ2) gene, exon 2 and complete cds	Mus musculus E-cacherin binding protein E7 mRNA, complete cds	Homo sapiems mRNA for KIAA1047 protein, partial cds	Homo sepiens mRNA for KIAA1047 protein, partial cds	Human endogenous retrovirus type K (HERV-K), gag, pol and env genes	QV2-BT0835-160400-142-h05 BT0635 Homo sapiens cDNA	zv96b07.s1 Scares_NhHMPu_S1 Homo saplens cDNA clone IMAGE:767605 3'	Homo sapiens truncated tanascin XB (TNXB) gene, partial cds and TNXA gene recombination breakpoint region	Homo saplens chromosome 21 segment HS21 C078	Homo sapiens chromosome 21 segment HS21C078	Homo sapiens mRNA for KIAA1399 protein, partial cds	Homo sapiens mRNA for KIAA1399 protein, partial cds	Human displacement protein (CCAAT) mRNA	Homo sapiens butyrophilin, subfamily 2, member A2 (BTN2A2), mRNA	Homo sapiens butyrophilin, subfamily 2, member A2 (BTN2A2), mRNA	ya83g04.r2 Stratagene fetal spleen (#937205) Homo sapiens cDNA clone IMAGE:68310 5'	ya83g04.r2 Stratagene fetal spleen (#937205) Homo sapiens cDNA clone IMAGE:68310 5'	601158935F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3505521 6'
Top Hit Database Source	Ę	EST_HUMAN	NT	F	L	LΝ	F	Z.	LZ.	Ę	Ę	NT	IN	LN	LZ.	FZ	LZ	Г			N		LN	NT	Ę	۲	TN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acessian No.	0.0E+00 AJ245418.1	0.0E+00 AA1740721	7657410 NT	0.0E+00 AL163284.2	0.0E+00 AF184110.1	0.0E+00 AL163300.2	0.0E+00 AB037521.1	0.0E+00 AF195658.1		4557887 NT	4557887 NT	0.0E+00 AF153819.1	0.0E+00 AF153819.1		0.0E+00 AB028970.1	0.0E+00 AB028970.1		0.0E+00 BE081527.1	0.0E+00 AA418246.1	0.0F+00 AF086641.1		0.0E+00 AL163278.2	0.0E+00 AB037820.1	0.0E+00 AB037820.1		6453812 NT	6453812 NT	T56945.1		0.0E+00 BE278730.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+30	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 Y18890.1	0.0E+00	0.0E+00	00+400	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M74099.1	0.0E+00	0.0E+00	0.0E+00	0,0E+00 T56945.1	0.0E+00
Expression Signal	11.57	1.68	1.96	3.31	1.33	4.83	1.95	69.0	1.06	31.32	31.32	1.42	1.42	2.62	96.0	0.98	17.22	1.93	1.37	1.9	1.3	1.3	2.72	2.72	3.06	2.06	2.06	2.03	2.93	1.18
ORF SEQ ID NO:	30845				30868	30869		30870	30876	30879	30880	30881	30882	30883	30895	30896	30902	30910	30911		30921	30922	30923	30924	30925	30927	30928	26400	28401	1
Exon SEQ ID NO:	17862	17881		17886	17887	17888	17889	17891	17896	17899	17899	17900	17900	17901	17911	17911	17918	17922	17923	17929	1	17934	17935		17936	17939	17939		1	17943
Probe SEa ID NO:	4727	4746	4749	4751	4752	4753	4754	4756	4761	4764	4764	4765	4765	4766	4776	4776	4781	4787	4788	4794	4799	4799	4800	4800	4801	4804	4804	4806	4806	4810

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Top Hit Descriptor	601285248F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3607067 5'	Homo saplens ecotropic viral integration site 2B (EVI2B), mRNA	Homo sapiens ecotropic viral integration site 28 (EVI2B), mRNA	Human AHNAK nuclooprotein mRNA, 5' end	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete eds	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete cds	Homo sapiens cyclophilin-related protein (NKTR) gene, complete cds	Homo sapiens KIAA1084 protein (KIAA1084), mRNA	Homo sapiens KIAA0563 gene product (KIAA0563), mRNA	Human proto-choogene tyrosine-protein kinase (ABL) gene, exon 1a and exone 2-10, complete cds	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes	Homo sapiens bromodomain adjacent to zinc finger domain, 28 (BAZ2B), mRNA	Homo capiens bromodomain adjacent to zinc finger domain, 28 (BAZ2B), mRNA	Homo sapiens alpha-3 type IX collagen (COL9A3) gene, promoter region, and exons 1-26	Homo sapiens proteinx0008 (AD013), mRNA	Homo sepiens proteinx0008 (AD013), mRNA	UI-H-BI3-ajw-c-04-0-UI:s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2733294 3'	Homo sapiens aldehyde dehydrogenase 12 (ALDH12) mRNA, complete cds	Homo sapiens HSPC024 iso mRNA, complete cds	Human connexth 43 processed pseudogene	xz89d06x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2871371 3'	Homo sapiens gluathlone S-transferase thela 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	Homo saplens nidogen (enactin) (NID) mRNA	M.fascicularis mRNA for metalloprotease-like, disintegrin-like protein, IVa	Homo sapiens Williams-Beuren syndrome deletion transcript 9 (WBSCR9) mRNA, complete cds	Mus musculus zinc finger transcription factor Kaiso mRNA, complete cds	Homo sapiens fragile X mental retardation 2 (FMR2) mRNA	Homo sapiens ectin, alpha, cardiac muscle (ACTC), mRNA	ZINC FINGER PROTEIN 132	Homo saplens hypothetical protein FLJ20073 (FLJ20073), mRNA	Human Tor-Cdelta gene, exons 1-4; Tor-V-delta gene, exons 1-2; T-cell receptor alpha (Tor-alpha) gene, J1-13 J51 segments; and Tor-C-alpha gene, exons 1-4
Top Hit Database Source	EST_HUMAN	ΤN	LN	TN	۲	TN	ΤN	ĮN.	TN	LΝ	LN	Ę	LN	N	LN	ΙN	EST_HUMAN	۲	FZ	시	EST_HUMAN	. <b>½</b>	Z	۲	TN	FZ	N	LN LN	SWISSPROT	NT	ΤN
Top Hit Acession No.	0.0E+00 BE390050.1	5729817 NT	6729817 NT	M80902.1	M69197.1	M69197.1	0.0E+00 AF184110.1	7662479	7662181 NT	J07,583.1	0.0E+00 AL096857.1	7304922	7304922 NT	0.0E+00 AF028501.1	7019320 NT	T019320 NT	0.0E+00 AW444637.1	0.0E+00 AF303134.1	0.0E+00 AF083242.1	VIG5189.1	0.0E+00 AW339253.1	0.0E+00  AF240788 1	4505394 NT		0.0E+00 AF084479.1	0.0E+00 AF097418.1	4503766 NT	4885048 NT	>52740	8923080 NT	VI94081.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M80902.1	0.0E+00 M69197.1			0.0E+00	0.0E+00	0.0E+00 U07583.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00/	0.0E+00 M65189.1	0.0E+00	0.05+00	0.0E+00	0.0E+00 X87205.1	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00 P52740	0.0E+00	0.0E+00 M94081.1
Expression Signal			0.95	50.79	3.07	3.07	2.07	1.05	1.73	1.15	1.20	0.74	0.74	1.25	0.82	0.82	1.29	1.18	2.01	1.33	0.84	2.87	1.95	1.09	66.0	1.04	4.54	9.88	•	3.41	1.35
ORF SEQ ID NO:	30932						30965		30968					30996				31031					31072			31078		31081		31088	31091
Exon SEQ ID NO:		17963	17963			H			17979	17984	17989							18041	18043		18055	18095	18098	18099		18102	18103		. '	18111	18114
Probe SEQ ID NO:	4814	4830	4830	4835	4838	4838	4842	4844	4846	4851	4856	4872	4872	4882	4886	4886	4907	4911	4913	4924	4925	4968	4967	4970	4972	4973	4974	4978	4977	4982	4985

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ייין ויייין וייין וייין וייין וייין וייין וייין וייין וייין ויייין ויייין וייין וייין וייין וייין וייין וייין וייין וייין ויייין וייין ויי	Top Hit Descriptor	Human Tor-C-delta gene, exons 1-4; Tor-V-delta gene, exons 1-2; T-cell receptor alpha (Tor-alpha) gene, J1- J61 segments; and Tor-C-alpha gene, exons 1-4	H.saplens MeCP-2 gene	H.saplens MeCP-2 gene	Human collegenase type IV (CLG4) gene, exon 2	Homo sapiens chromosome 21 segment HS21C080	Homo sapiens TATA box binding protein (TBP)-associated factor, RNA polymerase II, I, 28kD (TAF2I) mRNA	H.sapiens MICA gene	Homo sapiens zinc fingar protein (KIAA0412) mRNA	Homo sapiens mRNA for KiAA0633 protein, pardal cds	Mus musculus zinc finger protein interacting with K protein 1 (Zik1), mRNA	Homo sapiens meningioma expressed antigen 6 (colled-coil proline-rich) (MGEA6), mRNA	QV0-BN0147-280400-213-g11 BN0147 Homo sapiens cDNA	QVo-BN0147-280400-213-g11 BN0147 Homo sapiens cDNA	Homo sapiens desmoplakin (DPI, DPII) (DSP) mRNA	Homo sapiens meningloma expressed antigen 6 (colled-coil proline-rich) (MGEA6), mRNA	Homo sapiens meningioma expressed antigen 6 (colled-coll proline-rich) (MGEA6), mRNA	Homo sapiens zinc-finger DNA-binding protein (HUMHOXY1), mRNA	Homo saplens MHC class 1 region	Homo sapiens opioid receptor, delta 1 (OPRD1) mRNA	Home sapiens spilce variant AKAP350 mRNA, partial cds	Homo sapiens fannesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallytranstransferase, oteranyltranstransferase) (FDPS) mRNA	Homo sapiens chromosome 21 segment HS210085	Human mRNA for transcription factor AREB6, complete cds	Human mRNA for transcription factor AREB8, complete cds	Homo sapiens mRNA for KIAA0287 gene, partial cds	Homo sapiens mRNA for KIAA0287 gene, partial cds	Homo sapiens glypican 4 (GPC4) mRNA	Homo sapiens glypican 4 (GPC4) mRNA	Homo sapiens chromosome 21 segment HS21C084	Homo sapiens KIAA0806 gene product (KIAA0806), mRNA	Homo sapiens hypothetical protein FLJ11190 (FLJ11190), mRNA
מסו ווסעדו	Top Hit Database Source	۲	LN	TN	TN	NT	IN	۲N	ΡN	LΝ	N F	ΙN	EST_HUMAN	EST_HUMAN	LΝ	ĮN	ΝŢ	FN	NT	LN	L	L	Z	L	LN LN	LN FN	NT	LN	LN T	TN	LΝ	۲
	Top Hit Acession No.	A94081.1			,	0.0E+00 AL163280.2	5032150 NT	(92841.1	4585642 NT	0.0E+00 AB014533.1	6677648 NT	5174550 NT	0.0E+00 BE007935.1	0.0E+00 BE007935.1	4758199 NT	5174560 NT	5174560 NT	7705546 NT	0.0E+00 AF055066.1	4505508 NT	0.0E+00 AF091711.1	4503684 NT	0.0E+00 AL163285.2	715050.1	J15050.1	0.0E+00 AB006625.1	0.0E+00 AB006625.1	4504082 NT	4504082 NT	0.0E+00 AL163284.2	7662319 NT	8922926 NT
	Vost Similar (Top) Hit BLAST E Value	0.0E+00 M94081.1	0.0E+00 X94628.1	0.0E+00 X94628.1	0.0E+00 M55582.1	0.0E+00/	0.0E+00	0.0E+00 X92841.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.07+00	0.0E+00	0.0E+00 D15050.1	0.0E+00 D15050.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	1.35	1.3	1.3	1.46	2.55	1.08	1.19	1.32	1.39	2.74	1.02	0.94	0.94	4.26	1.79	1.79	96.0	11.02	2.46	2.77	1.85	1.17	1.14	1.14	79.7	7.67	1.39	1.39	1.28	0.71	1.15
	ORF SEQ ID NO:	31092	31094	31095	31098	31099	31104	31110		31113	31114	31115	31116	31117	31118	31120		31122	31127		31130	31140		31145	31146	31147	31148	31154	31155			31182
	SEQ ID NO:	18114	18116	18116	18119	18120	18129	18136	18138	18139	18140	18141	18142	18142	18143	18145	18145	18146	18149	18161	18152	18164	1	18170	18170	18171	18171	18177	18177	18195	1	18210
	Probe SEQ ID NO:	4985	4987	4987	4990	4991	2000	2002	5009	5010	5011	5012	5013	5013	5014	5016	5016	5017	5020	5022	5023	5036	5040	5042	5042	5043	5043	5049	5049	2009	5073	5082

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Top Hit Descriptor	Human ribosomal protein L21 mRNA, complete cds	Human endogenous retroviral DNA (4-1), complete retroviral segment	601303729F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3638118 67	Homo sapiens desmoplakin (DPI, DPII) (DSP) mRNA	Homo sapiens mRNA for KIAA1043 protein, partial cds	Homo sapiens hypothetical protein FLJ20477 (FLJ20477), mRNA	Homo sapiens hypothetical protein FLJ20477 (FLJ20477), mRNA	no14g09.s1 NCI_CGAP_Phe1 Homo saplens cDNA ckine IMAGE:1100704.3' slimilar to TR:E239140 E239140 SPALT PROTEIN ;	no14g09.s1 NCI_CGAP_Phe1 Homo sapiens cDNA ckne IMAGE:1100704 3' similar to TR:E239140 E239140 SPALT PROTEIN ;	no14g09.s1 NCI_CGAP_Phe1 Homo sapiens cDNA clone IMAGE:1100704.3' similar to TR:E239140 E239140 SPALT PROTEIN;	Homo sapiens chromosome Xq28 melanoma antigen family A2a (MAGEA2A), melanoma antigen family A12	(MAGEA12), mekenoma antigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), caltactin (CALT), NAD(P)H dehydrogenaso-like protein (NSDHL), and Ll>	Homo sapiens chromosome Xo28 melanoma antigen family A2a (MAGEA2A), melanoma antigen family A12	(MAGEA12), melanoma artigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), caltractin	(CALI), INAL(P)n denyalogenase-inappotent (NODIN), and LIV	TOTIC captorio DIA Historia Price in Price in the Conference of th	Homo sepiens Ezf danscripton ractor z (Ezfz) mrna	Homo sapiens MHC class 1 region	Homo sapiens chromosome 21 segment HS21C009	Homo sapiens gammma-cytoplasmic actin (ACTGP3) pseudogene	Homo sapiens titin (TTN) mRNA	Bacillus amyloliquefaciens sacB gene for levansucrase (EC 2.4.1.10)	Human endogenous retrovirus mRNA for gag protein	Homo sapiens vascular endothellal cadherin 2 mRNA, complete cds	Homo sapiens vascular endothelial cadherin 2 mRNA, complete cds	Homo seplens cyclophilin (USA-CYP) mRNA	Homo sepiens ring finger protein (RNF), mRNA	Human cellular fibronectin mRNA	Human cellular fibronectin mRNA	Human endogenous retrovirus-K, LTR U5 and gag gene
Top Hit Database Source	LN LN	ŁZ	EST_HUMAN	FZ	NT	FN	Ę	EST_HUMAN	EST_HUMAN	EST_HUMAN		Ę		1	Z		LN.	Ł	본	NT	NT	TN	TN	NT	LN	LΝ	L	LNT	L	¥
Top Hit Acessian No.			0.0E+00 BE408863.1	58199	0.0E+00 AB028968.1	8923441 NT	8923441 NT	.0E+00 AA601246.1	0E+00 AA601246.1	.0E+00 AA601246.1		.0E+00 U82671.2			T	0.0E+00 AF 183038.1	4758225		0.0E+00 AL163209.2		4507720 NT			0.0E+00 AF240635.1		5454153 NT	5902055 NT		.0E+00 M10905.1	.0E+00 Y080321
Most Similar (Top) Hit BLAST E Value	0.0E+00 U14967.1	0.0E+00 M10976.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00		L	0.0E+00	0.05+00	0.0E+00	0.0E+00 U63588.1	0.0E+00	0.0E+00 D50657.1	0.0E+00	0.0E+00 X52988.1	0.0E+00 X72791.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M10905.1	0.0E+00	0.0E+00
Expression Signal	7.66	1.25	2.97	4.85	1.43	2.32	2.32	0.72	0.72	0.72		2.09			2.09	0.72	1.09	0.64	1.69	18.98	0.92	3.55	19.0	1.82	1.82	1.18	0.82	4.58	4.58	0.8
ORF SEQ ID NO:		31197		31201		31212	31213	31225	31226			31229			31230	70417		31247			31288	31287	31288	31305			31322		31324	
Exan SEQ ID NO:	18215	18225		18230	L	L	L_	1	18259	l		18262	1		1				18289	18292		18318	L	18334			ı			
Probe SEQ ID NO:	5087	2609	5099	5102	5110	5121	5121	5135	5135	5135		5139			5139	0146	5148	6160	5167	5170	5182	5196	5197	5213	5213	5214	5232	5234	5234	5236

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Top Hit Descriptor	Homo sapiens solute carrier family 5 (inositol transporters), member 3 (SLC5A3), mRNA	Homo sapiens SH2-containing protein Nsp2 mRNA, camplete cds	Homo sapiens potassium inwardly-rectifying channel, subfamily J, member 16 (KCNJ16), mRNA	Homo sapiens potassium inwardly-rectifying channel, subfamily J, member 16 (KCNJ16), mRNA	Homo sapiens 4F2 light chain (LOC51597), mRNA	Homo septens 4F2 light chain (LOC51597), mRNA	Homo sapiens chromosome 21 segment HS21C079	zw44f12.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:772943 5'	zw44f12.r1 Soares_total_fetus_Nb2HF8_9w Homo saplens cDNA clone IMAGE:772943 5'	Homo sepiens protocadherin 11 (PCDH11), mRNA	Homo sapiens core1 UDP-galactose:N-acetylgalactosamine-aipha-R bata 1,3-galactosyltransferase (C1GALT1) mRNA, complete cds	Homo capiens interleukin 1 receptor accessory protein (IL1RAP) gene, exon 4	AML1-EVI-1-AML1-EVI-1 fusion protein {rearranged translocation} [human, leukemic cell line SKH1, mRNA	Mutant, 2938 ntj	Multiple scierosis associated retrovirus polyprotein (pol) mRNA, partial cds	Multiple scierosis associated retrovirus polyprotein (pol) mRNA, partial cds	Homo sapiens glypican 3 (GPC3) mRNA	Homo sapiens acidic 82 kDa protein mRNA (HSU16652), mRNA	H.saplens mRNA for YRRM2	tu38g09.x1 NCI_CGAP_Pr28 Homo saplens cDNA done IMAGE:2263376 3' similar to SW:RASD_DICDI P03967 RAS-LIKE PROTEIN RASD ;	Homo sapiens toll-like receptor 8 (TLR8) mRNA, complete cds	Homo sapiens toll-like receptor 8 (TLR8) mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C006	Homo sapiens placental growth hormone Isoform hGH-V3 (hGH-V) mRNA, complete cds	AV726632 HTC Homo sapiens cDNA clone HTCCEA03 6'	Homo saplens polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly, sea urchin	homolog)-like (PKDREJ) mRNA	Homo saptens oaspase 8, apoptosis-related cysteine protease (CASP8) mRNA	Homo sapiens aconitase (ACO2) gene, nuclear gene encoding mitochondrial protein, exon 15	Homo sapiens keratin 12 (KRT12) gene, complete cds	Homo sapiens keratin 12 (KRT12) gene, complete cds	wp08g08x1 NCI_CGAP_Kid12 Homo saplens cDNA clone iMAGE:2464094 3'
Top Hit Database Source		FN					LΝ	HUMAN	EST_HUMAN		IN	LZ				NT	LN LN		N	EST_HUMAN	Z	NT		F	EST_HUMAN			ΤN	LN	NT	LΝ	EST_HUMAN
Top Hit Acession No.	5902091 NT	0.0E+00 AF124250.1	8923822 NT	8923822 NT	7706245 NT	7706245 NT	0.0E+00 AL163279.2	0.0E+00 AA425183.1	0.0E+00 AA425183.1	7857442 NT	0.0E+00 AF155682.1	0.0E+00 AF167338,1				0.0E+00 AF009668.1	5360213 NT	7657203 NT		0.0E+00 Al685950.1	0.0E+00 AF245703.1	0.0E+00 AF245703.1	0.0E+00 AL163208.2	0.0E+00 AF006061.1	0.0E+00 AV7266321		6174632 NT	4502582 NT	0.0E+00 AF093083.1		0.0E+00 AF137286.1	0.0E+00 Al934954.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.05+00		0.0E+00 S69002.1	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X76060.1	0.0E+00/	0.0E+00/	0.0E+00/	0.0E+00/	0.0E+00/	0.0E+00/		0.0E+00	0.0E+00	0.0E+00	0.0E+00.0	0.0E+00	0.0E+00
Expression Signal	0.65	1.91	1.2	1.2	0.59	0.69	1.89	1.03	1.03	0.93	1,47	<u>4</u>	:	0.94	1.93	1.93	24.35	1.07	0.79	0.85	96'0	0.96	96.0	110.9	1.06		1.29	1.18	2.45	2.17	2.17	1.21
ORF SEQ ID NO:	31338	31339			31353	31354	31362	31364	31365	31375	31378		ļ				31390	31393		29444	31410	31411			31421		31423	31424			31437	
Exen SEQ ID NO:	18371	18373	l			l			18397	18408	18412	ì	1	- 1			18420	18423	18435	16426	18441	18441	18446	18451		l	18457	18459	18482		ı	18590
Probe SEQ ID NO:	5250	5253	5266	5266	5267	5267	5274	5278	5278	5290	5294	5297		2300	5301	5301	5303	5306	5319	6321	5328	5328	5333	5338	6340		5344	5345	5356	5366	5366	5388

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	П		Homo sepiens polycystic kidney disease-like 2 protein (PKDL2) mRNA, complete cds	Homo sapiens polycystic kidney disease-like 2 protein (PKDL2) mRNA, complete cds	H.seplens immunoglobulin heavy chain gene, variable region	H.sapiens immunoglobulin heavy chain gene, variable region	Г			П	qd04g04.x1 Soares_placenta_8to&weeks_2NbHP8to@W Homo sapiens cDNA clone IMAGE:1722702.3" HUMAN similar to SW:T2D3_DROME P48846 TRANSCRIPTION INITIATION FACTOR TFIID 85 KD SUBUNIT;	Homo sapiens eosinophii peroxidese (EPP) gene, exon 7				$\neg$	┪	JUNAN 601061488F1 NIH MGC 10 Homo sapiens cunn cione immorti 3447039 b			Homo sapiens Bloom syndrome (BLW) mRNA	Homo sapiens mRNA for KIAA0466 protein, partial cds	Homo sapiens mRNA for KIAA0466 protein, partial cds.	Homo sepiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Homo captens olitary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Human gene for dihydrolipoamide succinyltransferase, complete cds (exon 1-15)	Human gene for dihydrollpoamide succinyltransferase, complete cds (exon 1-15)	Homo sapiens offactory receptor, family 2, subfamily F, member 1 (OR2F1), mKNA	H.sapiens mRNA for myosin
Top Hit Database Source		EST_HUMAN RC3-GN0076-310	NT Homo sapiens poly	NT Homo sapiens poly		NT H.sapiens immunc	EST_HUMAN 7110c06.x1 NCI_C	EST_HUMAN P42694 HYPOTH	EST_HUMAN 601589422F1 NIH	П	qd04604x1 Soare eST_HUMAN similar to SW:T2D	NT Homo sapiens eos	Oh68809.y5 NCL EST_HUMAN HEAVY CHAIN PI			$\neg$	┪	EST HUMAN 601061488F1 NIT				NT Homo sapiens mF	NT Homo sapiens mR			NT Human gene for d			NT H.sapiens mRNA
28 28 28 28 28 28 28 28 28 28 28 28 28 2	9256579	Г						_			1			1421038 h							1557384							1420816	
Similar 3) Hit Top Hit Acession STE No.	.0E+00 9256579 NT	Г				0E+00 X66163.1		_			.0E+00 AI189142.1			11421038							.0E+00 4557384 NT						.0E+00 D26535.1	.0E+00 11420819 NT	.0E+00 Z38133.1
Most Similar Top Hit Acessi Signal BLAST E No.	1.2 0.0E+00 9256579	3.52 0.0E+00 BE931080.1	3.5 0.0E+00 AF182034.1	3.5 0.0E+00 AF182034.1	0.0E+00 X56163.1	8.67 0.0E+00 X66163.1	0.0E+00 BE676498.1	1.7 0.0E+00 BE220763.1	1.57 0.0E+00 BE794412.1	0.0E+00 BE794412.1	0.72 0.0E+00 AI189142.1	0.0E+00 M29908.1	1.3 0.0E+00 AI791383.1	4.52 0.0E+00 11421038 h		0.0E+00 AU134406.1	0.0E+00 AU134406.1	0.0E+00 BE538857.1		0.0E+00 BF526328.1	0.0E+00	1.29 0.0E+00/AB007935.1 N	0.0E+00 AB007935.1	0.0E+00 AF257737.1	7.1	0.0E+00 D26535.1	0.0E+00 D26535	0.0E+00	0.79 0.0E+00 Z38133.1
Most Similar (Top) Hit BLAST E Value	1.2 0.0E+00	0.0E+00 BE831080.1	0.0E+00 AF182034.1	0.0E+00 AF182034.1	8.57 0.0E+00 X56163.1		6.41 0.0E+00 BE676498.1	31715 1.7 0.0E+00 BE220763.1	31716 1.57 0.0E+00 BE794412.1	31717 1.57 0.0E+00 BE794412.1		5.23 0.0E+00 M29908.1	0.0E+00 AI791383.1	0.0E+00 11421038	4 0.0E+00 BF665962.1	31743 0.78 0.0E+00 AU134406.1	31744 0.78 0.0E+00 AU134406.1	0.61 0.0E+00 BE538857.1	31783 1.65 0.0E+00 BF526328.1	31784 1.65 0.0E+00 BF526328.1	33535 1.71 0.0E+00	31811 1.29 0.0E+00/AB007935.1	1.29 0.0E+00 AB007935.1	8.96 0.0E+00 AF267737.1	8.95 0.0E+00 AF257737.1	31831 1.34 0.0E+00 D26535.1	31832 1.34 0.0E+00 D26535.	31867 2.01 0.0E+00	31873 0.79
Most Similar Expression (Top) Hit Signal BLAST E Value	1.2 0.0E+00	18508 31580 3.52 0.0E+00[BE931080.1	3.5 0.0E+00 AF182034.1	18612 31585 3.5 0.0E+00 AF182034.1	18619 31594 8.57 0.0E+00 X56163.1	18619 31595 8.67	18598 31714 6.41 0.0E+00 BE675498.1	18899 31715 1.7 0.0E+00 BE220763.1	18700 31716 1.57 0.0E+00 BE794412.1	31717 1.57 0.0E+00 BE794412.1	18701 31718 0.72	18705 31721 5.23 0.0E+00 M29908.1	18709 31724 1.3 0.0E+00 AI791363.1	4.52 0.0E+00 11421038	18727 4 0.0E+00 BF665962.1	18728 31743 0.78 0.0E+00 AU134406.1	18728 31744 0.78 0.0E+00 AU134406.1	18734 31751 0.61 0.0E+00 BE538857.1	18748 31783 1.65 0.0E+00 BF526328.1	1.65 0.0E+00 BF526328.1	20121 33535 1.71 0.0E+00	18769 31811 1.29 0.0E+00 AB007935.1	18769 31812 1.29 0.0E+00 AB007935.1	31816 8.96 0.0E+00 AF267737.1	18772 31817 8.95 0.0E+00 AF257737.1	18785 31831 1.34 0.0E+00 D26535.1	18785 31832 1.34 0.0E+00 D26535	31867 2.01 0.0E+00	18806 31873 0.79

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Most Similar (Top) Hit Top Hit Acession BLAST E No.		Most Similar (Top) Hit BLAST E Value
0.0E+00 D61564.1 EST_HUMAN		0.0E+00 D61564.1
0.0E+00 D61564.1 EST_HUMAN		0.0E+00 D61564.1
0.0E+00 BF529931.1 EST_HUMAN		0.0E+00 BF529831.1
		2.92
0.0E+00 BF3131	2.62 0.0E+00 BF313139.1	0.0E+00 BF3131
0.0E+00 11434392 NT	0.0E+00	4.23 0.0E+00
0,0E+00 AI928181.1	0.59 0.0E+00 Al928181.1	
0.0E+00 AI928181.1	0.59 0.0E+00 A1928181.1	
0.0E+00 BE260777.1	1.3 0.0E+00 BE260777.1	32165 1.3 0.0E+00 BE260777.1
0.0E+00 AW867316.1	3.95 0.0E+00 AW867316.1	
0.0E+00 BE292889.1	2.49 0.0E+00 BE292889.1	2.49
0.0E+00 BE292889.1	0.0E+00 BE292889.1	2.49 0.0E+00 BE292889.1
	0.0E+00 11420819	1.7 0.0E+00 11420819
	0.0E+00	0.0E+00
		4.18
		4.16
		2.64
0.0E+00 AJ224639.1	2.64 0.0E+00 AJ224639.1	
0.0E+00 AH98515.1	1 0.0E+00 AH98515.1	32262 1 0.0E+00 A1198515.1
0.0E+00 M85719.1	7.55 0.0E+00 M85719.1	
0.0E+00 AW 405472.1	4.52 0.0E+00 AW 405472.1	
0.0E+00 Z26269.1	1.12 0.0E+00 Z26269.1	1.12
0.0E+00 AW381877.1	1.85 0.0E+00 AW361877.1	_
0.0E+00 AW361877.1	1.85 0.0E+00 AW361877.1	
0.0E+00 AW361877.1	1.85 0.0E+00 AW361877.1	1.85
0.0E+00 AB035266.1	0.59 0.0E+00 AB035266.1	0.59
0.0E+00 AB035286.1	0.59 0.0E+00 AB035286.1	0.59
		1.67
0.0E+00 AB046861.1	1.02 0.0E+00 AB046861.1	

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	_		_	_	_	_	т-	_	<del>, ,</del>		_	_	_	τ.	_	_	r.	μp		f r	1 1 H.			-	4 3 3	3 3	3-3
Top Hit Descriptor	Homo saplens KVLQT1 gene	Homo saplens KVLQT1 gene	HA2981 Human fetal liver cDNA library Homo sapiens cDNA	Homo saplens protocadharin beta 2 (PCDHB2), mRNA	601584032F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3938551 5'	Homo sapiens amiloride-sensitive cetion channel 1, neuronal (degenerin) (ACCN1), mRNA	601345141F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3877843 5'	Mus musculus eczonin (Acz), mRNA	Human L-type calclum channel beta-1 subunil (CACNLB1) gene, exon 13B and isoform beta-1B, complete ods	Human L-type calcium channel bela-1 subunit (CACNLB1) gene, exon 13B and Isoform beta-1B, cαπρleta ods	602036272F1 NCI CGAP Brn64 Homo saniens cDNA clone IMAGE 4184321 51	Homo saniens calcium channel camma 5 subunit (CACNG5) name exent 4 and complete cole	601104462F1 NIH MGC 14 Homo sapiens cDNA clone IMAGE:3347463 5	hz83d11x1 NCI_CGAP_Lu24 Homo saplens cDNA clone INAGE:3214581 3' similar to TR:Q62084 Q62084 PHOSPHOLIPASE C NEIGHBORING:	602185852F1 NIH_MGC_45 Homo sapiens cDNA clone IMAGE:4310076 5'	268606.s1 Scares NHHMPu S1 Homo sapiens cDNA clone IMAGE:811883 3'	Homo saplens cadherin 20 (CDH20) mRNA, complete cds	RC5-ET0027-210600-022-G10 ET0027 Homo sapiens cDNA	601845287F1 NIH_MGC_56 Homo sapiens cDNA done IMAGE:3930463 5'	7d72e11.x1 NCI_CGAP_Lu24 Homo saplens cDNA done IMAGE:3278540 3' similar to SW:DAX1_HUMAN. P61943 ORPHAN NUCLEAR RECEPTOR DAX-1. [1];	7d72e11x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMAGE:3278540 3' similar to SW:DAX1_HUMAN II- P51843 ORPHAN NUCLEAR RECEPTOR DAX.1, [1]	хрвітоз х1 NC_CGAP_0v39 Homo seplens cDNA clone INAGE:2745245 3' similar to TR:P78338 P78335 GUANYLATE KINASE ASSOCIATED PROTEIN.	801558050F1 NIH_MGC_58 Homo saplens cDNA clone IMAGE:3827775 5'	601658060F1 NIH_MGC_58 Home explens cDNA clone IMAGE:3827775 5	he34d08.xt NCI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2875595 3' similar to TR:Q6Z1N3 C9Z1N3 MYOSIN-RHOGAP PROTEIN, MYR 7.	QV4-HT0894-290900-399-a10 HT0894 Homo saplens cDNA	QV4.HT0894-280900-389-a10 HT0894 Homo sapiens cDNA
Top Hit Database Source	- FN	LN	EST_HUMAN	NT	EST_HUMAN	١.	EST_HUMAN	NT	LN	Į.	EST HUMAN	L	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	L'N	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST HUMAN	EST_HUMAN		Г	
Top Hit Acession No.	0.0E+00 AJ006345.1	0.0E+00 AJ006345.1	0.0E+00 A1207615.1	11416801 NT	0.0E+00 BE791173.1	P998943	0.0E+00 BE550082.1	10048478 NT	J86981,1		-			0.0E+00 BE503086.1	0.0E+00 BF569905.1	0.0E+00 AA454642.1		0.0E+00 BE828144.1	0.0E+00 BE958636.1	0.0E+00 BE673986.1	0.0E+00 BE673986.1	0.0E+00 AW276760.1	0.0E+00 BF031742.1	0.0E+00 BF031742.1	0.0E+60 AW 470846.1	0.0E+00 BF155870.1	0.0E+00 BF155670.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U86961,1	0.0E+00 U86961.1	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+80	0.0E+00	0.0E+00
Expression Signal	1.49	1.49	1.23	4.63	1.19	1.1	7.24	2.46	3.06	3.08	2.96	0.92	3.07	1.12	2.09	66.0	2.15	4.69	1.19	0.58	0.58	0.8	96'0	0.96	0.85	1.09	1.89
ORF SEQ ID NO:								32443	32444	32445			32470	32484		32495		32526		32550	32551	32565	32565	32566	32581		32693
Exan SEQ ID NO:		Ш		19114	Ш			19130	19131	19131	19151	ı		İ	H	19174		- 1		19227	19227	19231	19240	19240	19252	l	19264
Probe SEQ ID NO:	5899	5899	5906	5928	5933	5942	5943	5944	5945	5945	5965	5968	5960	5979	5984	5989	8021	8023	6028	6044	6044	6048	6058	6058	0709	6082	6082

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																			***				_	-		1000					****
Top Hit Descriptor	zc08h06_r1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:321755 5'	zc08h06.r1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:321755 5'	Homo sapiens familial mental retardation protein 2 (FMR2) gene, exon 14	601158515F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3505323 5'	601512630F1 NIH_MGC_71 Homo saplens cDNA clone IMAGE:3914238 5'	601286320F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3613085 5'	IL3-CT0220-111199-028-E04 CT0220 Homo sapiens cDNA	Homo sapiens KIAA0735 gene product; synaptic vesicie protein 2B homdog (KIAA0735), mRNA	Homo sapiens KIAA0735 gene product; synaptic vesicle protein 2B homdog (KIAA0735), mRNA	601677735F1 NIH_MGC_21 Homo sąpiens cDNA clone IMAGE:3960200 5'	601677735F1 NIH_MGC_21 Hamo sapiens cDNA clone IMAGE:3960200 5	601677735F1 NIH_MGC_21 Homp saplens cDNA clone IMAGE:3960200 5'	Homo sapiens potassium voltage-gated channel, Shal-related subfamily, member 2 (KCND2), mRNA	2/40h01.r1 Soares_NHHMPu_S1 Homo sepiens cDNA clone IMAGE:065905 5' similar to swvyos HIMAN DA280A HYPOTHETICAL MYELOID CELL LINE PROTEIN 5	ONLINE TO THE PROPERTY OF THE	zz40/01,17 Socies_Nh1MrvLS1 Hamo sepiens CUNA clohe IMACE:0038/03 5 Similar to SW:7Y05_HUMAN P42694 HYPOTHETICAL MYELOID CELL LINE PROTEIN 5;	Human T cell surface glycoprotein CD-6 mRNA, complete cds	Human T cell surface glycoprotein CD-6 mRNA, complete cds	601114823F1 NIH MGC_16 Homo sapiens cDNA clone IMAGE:3355565 5'	QV0-HT0358-090200-099-e09 HT0368 Homo saplens cDNA	Human neurofibromatosis type 1 (NF-1) mRNA, 3' end of cds	601236276F1 NIH_MGC_44 Homo sepiens cDNA clone IMAGE:3608490 5'	AU137772 PLACE1 Homo sapiens cDNA clone PLACE1007201 5	Human G protein-coupled receptor GPR-9-8 gene, complete cds	zq81d03.r1 Stratagene hNT neuron (#897233) Homo sapiens cDNA clone IMAGE:648005 5' similar to TR:Gasz4os Gasz4961 FLIKOCYTE SURFACE PROTEIN	Homo saniens vylosyltransferase II (XT2) mRNA	Homo capiens xylosytransferase II (XT2), mRNA	Home carringembronic articon-related cell achosine molecule 8 (CFACAM8) mRNA	ANATOREZEE NIEL MEG 45 Homo emison e DNA elong MAGE 2256/82 K	001108052T INIT_NIGO 10 TUTIO SQUERIS CONSCIONATOR SOCIETA	tt91/10.xt NCI_CGAP_P728 Homo sapiens cUNA cione IMAGE:2248939 3 similar to 1 R:Q14839 Q14839 MI-2 PROTEIN.
Top Hit Database Source	EST_HUMAN	EST_HUMAN	IN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	IN	EST HUMAN	EST_HUMAN	EST_HUMAN	FX	TOT LIMANI	מאוסום וסט	EST_HUMAN	N	IN	EST_HUMAN	EST_HUMAN	IN	EST_HUMAN	EST HUMAN	LN	EXT LIMAN	LN LN	LZ	- IN	TANK TOT	ES HOMAIN	EST_HUMAN
Top Hit Acession No.	0.0E+00 W33069.1	0.0E+00 W33069.1	0.0E+00 AF012018.1	0.0E+00 BE280197.1	0.0E+00 BE889610.1	0.0E+00 BE388673.1	0.0E+00 AW752848.1	11433071 NT	11433071 NT	0.0E+00 BE901608.1	0.0E+00 BE901608.1	0.0E+00 BE901608.1	TN 9886876	0 0E 100 A A 402 ED B 4	AA 183300. I	0.0E+00 AA193506.1	U34625.1	0.0E+00 U34625.1	0.0E+00 BE258330.1	0.0E+00 BE156561.1	0.0E+00 M38107.1	0.0E+00 BE379007.1	0.0E+00 AU137772.1	0.0E+00 U45982.1	0.05+00.44204740.4	44545043 NT	11545913 NT	TIM TARACAAA	4 014110	0.0E+00 BE25/1/3.1	0.0E+00 AI686048.1
Most Similar (Top) Hit BLAST E	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	00130	0.0	0.0E+00	0.0E+00 U34625.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	UO 1	00-10-0	001100	20.100	20.00	0.0=+00	0.0E+00
Expression Signal	1.67	1.67	2.3	3.37	2.43	0.58	0.65	1.72	1.72	1.15	1.15	1.15	10.17	7	07:	1.28	10.44	10.44	1.06	1.15	0.66	1.6	1.35	3.33	76.7	00 8	60.0	3 6	67.7	3.15	0.98
ORF SEQ ID NO:	32599	32600			32612	32615			32636	32637	32638	32639	32656		8007°	32860		32686	32729	32737				32812	20077				32000		
SEQ ID NO:	19271	19271	19272	19275	19280	19282	19297	19299	19299	19300	19300	19300	25819	40040	18518	19318	19339	19339	19378	19388			19439	19460	4000	1		L	ł	19527	19540
Probe SEQ ID NO:	0609	0609	6091	6094	6100	6102	6117	6120	6120	6121	6121	6121	6137	04.40	9	6140	. 6163	6163	6203	6213	6223	6229	6265	6287	9748	2000	9317	130	888	6357	6371

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Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
6375	19544	32902	1.32	0.0E+00	0.0E+00 L35930.1	INT	Human anion exchanger (AE1) gene, exons 1-20
6383	19552	32908		0.0E+00	0.0E+00 BE797385.1	EST_HUMAN	601587971F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3942329 5'
6383	19552	32909	96.0	0.0E+00	0.0E+00 BE797365.1	EST_HUMAN	801687971F1 NIH_MGC_7 Hamo sepiens cDNA olone IMAGE:3942329 5
6393	1	32922	0.71	0.0E+00	0.0E+00 AI188025.1	EST_HUMAN	qi80b11 x1 NCL_CGAP_Bm25 Homo sapiens cDNA clone IMAQE:1859901 3' similar to TR:Q12838 Q12838 TFIIIC ALPHA SUBUNIT;
6383	19582	32923	0 27	000+00	0 0F+00 A1498025 1	EST HUMAN	qi50b11.x1 NCI. CGAP_Brn25 Homo sapiens cDNA clane IMAGE:1859901 3' similar to TR:0.12838 0.12838 TFIIIC ALPHA SUBUNIT:
6395		32924	1.11	0.0E+00		Г	MR0-HT0923-220800-102-b05 HT0923 Homo sapiens cDNA
6403	19572	l	1.3	0.0E+00	11435830 NT	NT	Homo sapiens peptide transporter 3 (LOC51296), mRNA
6413	19582	32943	0.59	0.0E+00	0.0E+00 D55649.1	NT	Humen mRNA for alpha mannosidase II isozyme, complete cds
6429	19597	32963	1.07	0.0E+00	0.0E+00 AW178142.1	EST_HUMAN	IL3-HT0062-010999-014-A04 HT0062 Homo sepiens cDNA
6450	19817	32980	0.0		0.0E+00 BE674544.1	EST HUMAN	7e02c12.x1 NC_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3281302,3' similar to SW:Y176_HUMAN_Q14681 HYPOTHETICAL PROTEIN KIAA0176;
6454	18621	32985	0.77	0.0E+00	7682039 NT	TN.	Homo sapiens KIAA0285 gene product (KIAA0285), mRNA
6468	19635		9.28	0.0E+00	0.0E+00 AV650020.1	EST_HUMAN	AV650020 GLC Homo sepiens oDNA clone GLCCAD09 3
6477	19644	33006	3.46	0.0E+00	0.0E+00 AW 575598.1	EST_HUMAN	UI-HF-BL0-acc-g-12-0-UI.s1 NIH_MGC_37 Homo sapiens cDNA clone IMAGE:3058751 3'
6480		33009	4.63	0.0E+00	0.0E+00 H01255.1	EST_HUMAN	y/27b03.r1 Soares placenta Nb2HP Homo sepiens cDNA clone IMAGE:149933 5
6488		33018	0.71	0.0E+00	11426293 NT	LN.	Homo sapiens emiloride sensitive cation channel 1, neuronal (degenerin) (ACCN1), mRNA
6492	19658	33021	1.67	0.0E+00	0.0E+00[X15377.1	NT	Human gene for the light and heavy chains of myeloperoxidase
6494		33023	1.17	0.0E+00	0.0E+00 AA458375.1	EST_HUMAN	aa14e07.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:813252 5'
			,				tz57408.x1 NCL_CGAP_Ov35 Homo saplens cDNA clone IMAGE:22926873' similar to SW:NTCS_HUMAN :
8501	19561	33024	1.04	0.05+00	0.0E+00 AI612841.1	EST HIMAN	F33/89 SULJUM: AND CHLUNIDE: DEFENDENT CREATINE I MAINSPORTER 2.
6501	ı	33031	4.27	0.0E+00	Γ	EST HUMAN	601305368F1 NIH MGC 39 Homo saplens cDNA clone IMAGE:3639616 6
6505	ľ	33037	98'0	0.0E+00	0.0E+00 AW748596.1	EST_HUMAN	MR0-BT0284-221199-002-f11 BT0264 Homo saplens cDNA
6505		33038	0.86	0.0E+00		EST_HUMAN	MR0-BT0264-221199-002-f11 BT0264 Homo sapiens cDNA
9507	ı	33040	52.21	0.0E+00	0.0E+00 AU119245.1	EST_HUMAN	AU119245 HEMBA1 Homo sapiens cDNA clone HEMBA1005360 5'
9507	1	33041	52.21	0.0E+00	0.0E+00 AU119245.1	EST_HUMAN	AU119245 HEMBA1 Homo sapiens cDNA clone HEMBA1005360 5
6512		33047	0.8	0.0E+00	3.1	EST_HUMAN	601468712F1 NIH_MGC_67 Homo sepiens cDNA clone IMAGE:3871899 5'
6513	19678	33048	0.84	0.0E+00	0.0E+00 X92217.1	NT	H.sapiens germline immunoglobulin heavy chain, variable rogion, (13-2)
6527	1	33065		0.0E+00		EST_HUMAN	ws25c07.x1 NCL_CGAP_GC6 Homo sepiens cDNA clone IMAGE:2498220 3'
6541		33076		0.0E+00		EST_HUMAN	601105344F1 NIH_MGC_15 Homo saplens cDNA clone IMAGE:2987663 5'
9241	ı	33077	4.06	0.0E+00		EST HUMAN	601105344F1 NIH_MGC_15 Home sapiens cDNA clone IMAGE:2987963 5'
6573	19735	33114	1.07	0.0E+00	0.0E+00 BE867657.1	EST HUMAN	601443176F1 NIH MGC 66 Homo sapiens cDNA clone IMAGE:3847291 5

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Top Hit Descriptor	П		N AV719444 GLC Homo sapiens cDNA done GLCEHC06 5	Г	N 601681150F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3951301 5'	Homo sapiens low voltage-activated T-type calcium channel alpha 1G spilce variant CavT.1a (CACNA1G) mRNA, complete cds	Homo saplens tuberin (TSC2) gene, exons 38, 39, 40 and 41	Homo sapiens transformation/transcription domain-associated protein (TRRAP), mRNA	aus6h08.y1 Schneider felal brain 00004 Homo saplens cDNA clone IMAGE:2784159 5' similar to TR:O15390 O15390 GT24. [3] TR:O43840 TR:O43206;		2b20e08.1 Soares, fetal Jung, NbHL19W Homo sapiens cDNA clone IMAGE:302626 5' similar to SW:ZN45_HUMAN Q02386 ZINC FINGER PROTEIN 45;	2b20e08.11 Scares fetal Jung, NbHL19W Homo sapiens cDNA clone IMAGE:302626 6' similar to SW:2N45, HUMAN Q02386 ZINC FINGER PROTEIN 45;	Г	Г	N QV1-GN0065-140800-318-h02 GN0065 Homo sapiens cDNA				Human antigen CD27 gene, exons 1;2	Homo sapiens chromosome 21 segment HS21C004	Homo saplens chromosome 21 segment HS21C004	Homo sapiens zona pellucida glycoprotein 3A (sperm receptor) (ZP3A), mRNA		N PT/255 WNI-5 TROLO-UNCUGENE PROLEN PRECURSOR,	1	╗	T	П	N QV3-BN0047-300800-278-c06 BN0047 Homo sapiens cDNA
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę	F	ΙZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	NT	N:T	NT	N	1 H	ES HOMAN	I N	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession	0.0E+00 AW 406348.1	0.0E+00 AW406348.1	0.0E+00 AV719444.1	0.0E+00 BE898340.1	0.0E+00 BE898340.1	0.0E+00 AF190860.1	0.0E+00 L48546.1	11420658 NT	0.0E+00 AW163640.1	0.0E+00 AW163640.1	0.0E+00 W37163.1	0.0E+00 W37163.1	0.0E+00 BE794853.1	0.0E+00 BE799873.1	0.0E+00 BE767955.1	0.0E+00 BE767955.1	0.0E+00 BE889813.1	0.0E+00 BE889813.1	0.0E+00 L24493.1	0.0E+00 AL163204.2	0.0E+00/AL163204.2	0 6005983 NT	A 1820 440 4	0.0E+00 A1638412.1	0.0E+00/L32632.1	0.0E+00 AW 505430.1	0.0E+00 AA434584.1	0.0E+00 BF217200.1	0.0E+00 BE926876.1
Most Similar (Top) Hit BLAST E Value	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.05+0	0.0E+0	0.0E+00	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+0	0.0E+00	100	0.05	0.0	0.0E+0	0.0E+0	0.0 ⊟0.0	0.0F±0
Expression Signal	1.81	1.81	0.94	0.74	0.74	2.13	0.64	0.99	3.5	3.5	1.06	1.06	1.21	5.1	1.38			6.83	4.51	2.62	2.62	3.68	6,7	4,12	0.40	0.82	4.11	1.13	1.63
ORF SEQ ID NO:	33158	33159			33196	33199	33202	33203	33210	33211	33214	33215	33232	33239	33240	33241	33244	33245	33253	33257	33258	33265	33360	93700	992/0	33283	33284		33307
Exon SEQ ID NO:	ĺĺ				19808	19811			19823	19823	19827	19827					19854			1		19874		1007	1	- [	- 1	- 1	19912
Probe SEQ ID NO:	6099	6099	6640	6849	6649	6652	6655	6657	6664	6664	6999	8999	6684	6691	6692	6692	9699	9699	6705	6710	6710	6716	6700	0770	7 .	6735	6737	6751	6756

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Top Hit Descriptor	Homo saplens solute carrier family 1 (high affinity aspartataciglutamate transporter), member 6 (SLC1A6), mRNA	Homo sapiens solute carrier family 1 (high affinity aspartate/glutamate trensporter), member 6 (SLC1A6), mRNA	CGAP_KId11 Homo sapiens cDNA clone IMAGE:2952126 3'	tM4 Homo saplens cDNA clone NT2RM4002430 5	10700-001-h10 NN0174 Homo sapiens cDNA	XX700-001-h10 NN0174 Homo sapiens cDNA	0999-062-008 HT0143 Homo saplens cDNA	0300-032-e04 BN0121 Homo saplens cDNA	0300-032-604 BN0121 Homo sapiens cDNA	0200-002-008 HT0520 Homo sapiens cDNA	1900-145-d07 GN0032 Homo sapiens cDNA	agene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:627292 5	peroxidase mRNA, complete cds	7a49b07.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:3222037 3' similar to TR:Q9Z285 Q9Z285		799-001-B01 ST0024 Homo sapiens cDNA	799-001-801 ST0024 Homo saplens cDNA	Dê antigen (CD6), mRNA	T r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFzp434D2021 6	noglobulin heavy chain gene, variable region	oo10d01.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:1565/61 3' similar to TR-Q26623 Q26623 TEKTIN C1.;	IH_MGC_21 Homo sapiens cDNA clone IMAGE:3842080 5'	IH_MGC_53 Home sepiens oDNA clone IMAGE;3682267 5	IH_MGC_65 Homo sapiens cDNA clone IMAGE:3847697 5	IH_MGC_65 Homo sapiens cDNA clone IMAGE:3847697 5'	7b49f03.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3231581 3' similar to SW:GG95_HUMAN } Q08379 GOLGIN-95.;	7549f03.x1 NCI CGAP_Lu24 Homo sepiens oDNA clone IMAGE:3231581 3' similar to SW:GG85_HUMAN	N-95.;	50900-397-911 HT0877 Homo sapiens cDNA	es_NhHMPu_S1 Homo sapiens cunA cione IMAGE:ocoss2 o
Top Hit Descriptor	o saplens solule carner family 1 (high affinity aspartate/glutamate transporter), mem IA	o sapiens solute carrier family 1 (high affinity aspartate/glutamate transporter), mem A	hg82e04.x1 NCI_CGAP_Kld11 Homo sapiens cDNA clone IMAGE:2952126 3'	AU125928 NT2RM4 Homo saplens cDNA clone NT2RM4002430 5	PM2-NN0174-260700-001-h10 NN0174 Homo sapiens cDNA	PM2-NN0174-260700-001-h10 NN0174 Homo sapiens cDNA	CMO-HT0143-270999-062-d08 HT0143 Homo saplens cDNA	RC0-BN0121-280300-032-e04 BN0121 Homo sapiens cDNA	RC0-BN0121-280300-032-e04 BN0121 Homo sapiens cDNA	PM3-HT0520-230200-002-c08 HT0520 Homo sapiens cDNA	IL5-GN0032-180900-145-d07 GN0032 Homo sapiens cDNA	zp88e03.r1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:627292 5	Human salivary peroxidase mRNA, complete cds	3b07.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:3222037 3' similar to	TEKTIN.;	L3-ST0024-230799-001-B01 ST0024 Homo sapiens cDNA	L3-ST0024-230799-001-501 ST0024 Homo saplens cDNA	Homo saplens CD6 antigen (CD6), mRNA	DKFZp434D2021_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434D2021 6	H.saplens Immunoglobulin heavy chain gene, variable region	oo10d01.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Hano sapiens cDNA clone IMAGE:* TR:Q26623 'Q26623 TEKTIN C1.;	801667370F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3842080 5'	601339977F1 NIH_MGC_53 Homo sepiens oDNA clone IMAGE:3682267 5	801443667F1 NIH MGC 65 Homo sapiens cDNA clone IMAGE:3847697 5'	601443667F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3847697 5'	7b49f03.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3231581 3' similar to Q08379 GOLGIN-95. ;	9f03.x1 NCI CGAP_Lu24 Homo sapiens oDNA clone IMAGE:3231581 3' similar to	Q08379 GOLGIN-95.;	CM1-HT0877-060900-397-911 HT0877 Homo saplens cDNA	z/34g03.r1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:66b332 5
Top Hit Database Source	Homo	Homos	HUMAN	EST_HUMAN AU	EST_HUMAN PM			EST_HUMAN RO	EST_HUMAN RO	HUMAN	EST_HUMAN ILS	EST_HUMAN Zp8		7a4	EST_HUMAN TE		EST_HUMAN IL3		EST_HUMAN DK			EST HUMAN 601		EST_HUMAN 801	EST_HUMAN 601	FST HUMAN GO	Τ	EST_HUMAN QO	П	EST_HUMAN zz3
Top Hit Acession No.	11426758 NT	11426768 NT	1964.1 EST	Π						131.1 EST			3.1 NT					11435626 NT									T		П	
	8		0.0E+00 AW611964.1	0.0E+00 AU125928.1	0.0E+00 BE701434.1	0.0E+00 BE701434.1	0.0E+00 BE142363.1	0.0E+00 BE006012.1	0.0E+00 BE008012.1	0.0E+00 BE169131.1	0.0E+00 BF085867.1	0.0E+00 AA190755.1	0.0E+00 U39573.1	H	0.0E+00 BE671987.1	0.0E+00 AI940621.1	0.0E+00 AI940621.1	8	0.0E+00 AL042443.1	0.0E+00 X58163.1	0.0E+00 AI168270.1	0.0E+00 BE734087.1	0.0E+00 BE566381.1	0.0E+00 BE867889.1	0.0E+00 BE867889.1	0 0F±00 BE550162 1		0.0E+00 BE550162.1	0.0E+00 BF088376.1	0.0E+00 AA195106.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0 0 10 0	0.0E+	0.0E+	0.0E+	0.0E+	0.0E+	0.0E+	0.0E+	0.0E+	0.0E+	0.0E+	0.0E+		0.0E+	, 0.0E+	0.0E+	0.0E+00	0.0E+			0.0E	0,0					0.0E+	0.0E	
Expression Signal	0.76	0.78	0.59	1.64	0.58	0.58	1.27	2.43	2.43	7.79	2.04	3.33	0.83		0.76	6.73	6.73	2.15	0.73	11.05	0.92	0.85	1.28	13.63	13.63	4 7.4		1.74	1.66	1.4
ORF SEQ ID NO:	33342	22343	33345	33366	33368	33369	33383	33416	33417	33438	33440	33663	33676		33678	33689	33690	33703	33617	33618	33621	33626	31502	31509	31510	99888	3	33559		١
SEQ ID NO:	19944	10044	10045	19962	19964	19984	19985	20002	20002	20028	20030	20230	20241		20245	ł	20253	ı	20191	l		1	1	1	١.	1	L	20140	1	1
Probe SEQ ID NO:	6789	0878	8790	8089	8810	6810	6832	6854	6854	6876	8878	6915	6926		6930	6940	6940	6961	6963	6964	6967	6972	699	8669	8669	700		7004	7030	7036

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sssion Top Hit Top Hit Descriptor Top Hit Descriptor Source	Homo sapiens catenin (cadherin-associated protein), delta 2 (neural piakophilin-related arm-repeat protein) (CTNND2), mRNA	191474 NT Homo sapiens sodium channel, norvoltage-gated 1, beta (Liddle syndrome) (SCNN1B), mRNA	EST_HUMAN   602185952F1 NIH_MGC_45 Homo sapiens cDNA clone IMAGE:4310076 67		NT Human MYCL2 gene, complete cds	1 NT Homo sapiens cadherin 20 (CDH20) mRNA, complete cds	I   NT   Homo saplens cadherin 20 (CDH20) mRNA, complete cds	NT Human neurofibromatosis type 1 gene, exon x6	120775 NT Homo sapiens melanoma entigen, family B, 2 (MAGEB2), mRNA	1 [EST_HUMAN   601115515F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3356330 5	EST_HUMAN   element;	wf2t009.x1 Soares_Dieckgraefe_colon_NHUC Homo saplens cDNA clone IMAGE:2351248 3' similar to gb:M74297 HOMEOBOX PROTEIN HOX-A4 (HUMAN);contains PTR5.b1 MER22 MER22 repetitive learnent:	1 EST HUMAN	EST_HUMAN	NT H.saplens mRNA for latent transforming growth factor-beta binding protein (LTBP-2)	TN	TN	TN	TN				NT Homo sapiens mRNA for dynein heavy chain (DNAH9 gene)	NT Human type IV sodium charnel alpha polypeptide (SCN4A) gene, exon 19	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	
Top Hit Acession Databese Source	11034810 NT (CTNI	11431474 NT Homo	EST_HUMAN	4557364 NT Homo	Z	-FN	N	Ż	11420775 NT Homo	EST_HUMAN	EST_HUMAN	EST HIMAN	1 EST HUMAN	EST_HUMAN	NT	NT	TN	TN	TN	EST_HUMAN	EST_HUMAN	NT	IN	N	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Most Similar (Top) Hit Top Hi BLAST E Value	0.0E+00	0.0E+00	0.0E+00 BF563905.1	0.0E+00	0.0E+00 J03069.1	0.0E+00 AF217289.1	0.0E+00 AF217289.1	0.0E+00 M38113.1	0.0E+00	0.0E+00 BE256708.1	0.0E+00 AI660911.1	0.0E+00 AISS0911.1	0.0E+00 AU118478.	0.0E+00 BE262941.1	0.0E+00 Z37976.1	0.0E+00 Z37976.1	0.0E+00 AF257737.1	0.0E+00 AF257737.1	0.0E+00 AF310105.1	0.0E+00 BE762770.1	0.0E+00 BF569905.1	0.0E+00 AJ404458.1	0.0E+00 AJ404468.1	0.0E+00 L01978.1	0.0E+00 AW502362.1	0.0E+00 AW502362.1	0.0E+00 AL039581.1	0.0E+00 AL039581.1	0.0E+00 BF30696.1
8デ当っ		٦	٦					L					L	L				3.01				0.78	0.78	3.25	0.72 (	0.72		0.87	Ц
	11.81	1.11	2.69	0.66	2.06	2.56	2.56	1.07	3.59	0.7	0.62	0.62	1.21	7.52	2.72	2.72	9.	e,	-	o.	2	0	0	က	o	0	0.87	o	5.
ORF SEQ Expression (ID NO: Signal E	11.81		33529 2.69		2.06		33600 2.56			31518 0.	31,493 0.6;	31494 0.8		31461 7.5				31465 3.									33738	33739	33747
Expression Signal	11.81	20099 33515	20114 33529	33535	20129	33599	33600	33601	31515				31457	31461	31462	31463	31464		31472	33711	33717	20279 33719	33720	20263 33725	33729	33730	33738		33747

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SLCBAB) and (CDM) paralogous genes, complete cds  SLCBAB) and (CDM) paralogous genes, complete cds  Complete cds	Pipor (CDM) paralogous genes, complete ods  14GE:2708458 3' similar to TR:094895 094895  15 07120 5' 1
Human chromosome 16 creatine transporter (SLCGAB) and (CDM) paralogous genes, complete ods xo40e02.x1 NOI_CGAP_Ut1 Homo saptens cDNA done IMAGE:2706458 3' similar to TR:094895 C X040e02.x1 NOI_CGAP_Ut1 Homo saptens cDNA done IMAGE:2706458 3' similar to TR:094895 C KIAA0803 PROTEIN;  KIAA0803 PROTEIN;  KIAA0803 PROTEIN;  Homo saptens mRNA for vascular cadhentr-2, complete cds  AU137738 PLACE1 Homo saptens cDNA clone PLACE1007120 5'  AU137738 PLACE1 Homo saptens cDNA clone PLACE1007120 5'  AU137738 PLACE1 Homo saptens cDNA clone PLACE1007120 5'  EST366976 MAGE resequences, MAGC Homo saptens cDNA clone IMAGE:3354586 5'  Human type VI sodium charnel alpha polypeptide (SCNA4) gene, exon 14  Homo saptens mRNA for KIAA0486 protein, partial cds  AU133213 NT2RP4 Homo saptens cDNA clone NT2RP4001556 5'  Homo saptens membrane protein CH1 (CH1), mRNA  AU133213 NT2RP4 Homo saptens cDNA clone IMAGE:3917164 5'  Homo saptens nettri 1 (MTN1), mRNA  GO1431819F1 NIH_MGC_72 Homo saptens cDNA clone IMAGE:392722 5'  Homo saptens keratin 12 (KR1712) gene, complete cds  601431819F1 NIH_MGC_72 Homo saptens cDNA clone IMAGE:3929722 5'  Homo saptens keratin 12 (KR1712) gene, complete cds  6014318469F1 NIH_MGC_72 Homo saptens cDNA clone IMAGE:3929722 5'  Homo saptens witamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA  Homo saptens voltage-dependent calcium channel alpha 1G subunit isoform as (CANA1G) mRNA  Homo saptens voltage-dependent calcium channel alpha 1G subunit isoform as element HGI  specialor sty. ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR; contains element;  specialize cols	nan gene mappling to creatine transporter (SLCBAB) and (CDM nan gene mappling to chomosome 13.  A NOI_CGAP_Ut1 Homo sapiens cDNA done IMAGE: 3 PROTEIN.  Serior MINA for vascular cadherin-2, complete cds series mRNA for vascular cadherin-2, complete cds series mRNA for vascular cadherin-2, complete cds series mRNA for vascular cadherin-2, complete cds series mRNA for vascular cadherin-2, complete cds series mRNA for vascular cadherin-2, complete cds series mRNA for vascular cadherin-2, complete cds series mRNA for kitAA0466 brotein, partial cds series mRNA for kitAA0466 protein, partial cds series mentione protein CH1 (CH1), mRNA cans mention channel alpha polypeptde (SCNAA) gene, pleas mentione protein CH1 (CH1), mRNA cans mentione protein CH1 (CH1), mRNA cans mention protein CH1 (CH1), mRNA cans mention protein CH1 (CH1), mRNA cans mention protein CH1 (CH1), mRNA cans mention protein CH1 (MNA), mRNA cans mention protein caphers cDNA clone IMAGE: plens keratin 12 (KR112) gene, complete cds plens keratin 12 (KR112) gene, complete cds plens witamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin D3) receptor (VEptens vitamin D (1,25-dihydroxyvitamin Channel alpha 1G subucka axi Scares, placenta, 8tb9weeks, 2NbHP8tb9W Homo sy axi sans page placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb and sons placenta, 2Nb
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piens keratin 12 (NK 112) gene, complete cds piens keratin 12 (NK 112) gene, complete cds age1 NIH_MGC_9 Homo septens cDNA clone IMAGE:3929722 5' age1 NIH_MGC_9 Homo septens cDNA clone IMAGE:3929722 5' piens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA piens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA piens voltage-dependent calcium channel alpha 1G subunit isoform se (CACNA1G) mRNA, reds x1 Soares_placenta_8to9weeks_2NbHP8to9W Homo septens cDNA clone IMAGE:1714644 3' x1 Soares_placenta_8to9weeks_2NbHP8to9W Homo septens cDNA clone IMAGE:1714644 3' sW:ARSD_HUMAN P51699 ARYLSULFATASE D PRECURSOR ;contains element HGR element;	pens keratin 12 (KR 112) gene, complete cds peiens keratin 12 (KR 112) gene, complete cds peiens keratin 12 (KR 112) gene, complete cds def-1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3929722 5' def-1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3929722 5' piens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA piens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA piens voltage-dependent calclum channel alpha 1G subunit isoform se (CACNA1G) mRNA, cds Ar Seares, placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' SW:ARSD_HUMAN P51699 ARYLSULFATASE D PRECURSOR; contains element HGR element; Ar Seares, placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' Ar Seares, placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' Ar Seares placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' Ar Seares placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' Ar Seares placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' Ar Seares placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' Ar Seares placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3' Ar Seares placenta_8to9weeks_2NbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3'
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Agrin Nini Maru, a nation saperina contra crate introducioses (2.5.)  piens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA  piens voltage-dependent calcium channel alpha 1G subunit isoform ae (CACNA1G) mRNA,  cds  x1 Soares placenta_8to9weeks_2NbHP8tx9W Homo sepiens cDNA clone IMAGE:17148443'  SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR; contains element HGR element;	agen Namin D (1,25-dilydroxyvitamin D3) receptor (VDR), mRNA plens vitamin D (1,25-dilydroxyvitamin D3) receptor (VDR), mRNA plens vitage-dependent calcium channel alpha 1G subunit isoform as (CACNA1G) mRNA, cds x1 Soares, placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644 3' sw.xRSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR; contains element HOR element: x1 Soares placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644 3' x1 Soares placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644 3' x1 Soares placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644 3' x1 Soares placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644 3' x1 Soares placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644 3'
piens vitamin D (1,29-dinydroxyvitamin D3) receptor (YDR), mrNA piens vitamin D (1,28-dihydroxyvitamin D3) receptor (VDR), mRNA piens voltage-dependent calcium channel alpha 1G subunit isoform ae (CACNA1G) mRNA, cds x1 Soæres_placenta_8to9weeks_2NbHP8to9W Homo septens cDNA clone IMAGE:1714644 3' SW:ARSD_HUMAN P61688 ARYLSULFATASE D PRECURSOR; contains element HGR element;	plens vitamin D (1,29-dinydroxyvitamin D3) receptor (VDR), mrNA-plens vitamin D (1,29-dinydroxyvitamin D3) receptor (VDR), mRNA-plens vitage-dependent calcium channel alpha 1G subunit texform as (CACNA1G) mRNA, cds.  X1 Soares_placenta_8toSweeks_2NbHP8toSW Homo septens cDNA clone IMAGE:17148443' SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR; contains element HGR element:  X1 Soares_placenta_8toSweeks_2NbHP8toSW Homo septens cDNA clone IMAGE:17148443' AN Soares_placenta_8toSweeks_2NbHP8toSW Homo septens cDNA clone IMAGE:17148443'
piens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA piens voltage-dependent calcium channel alpha 1G subunit isoform se (CACNA1G) mRNA, cos xx1 Soares_placenta_8to9weeks_2NbHP8tb9W Homo septens cDNA clone INAGE:17146443' SW:ARSD_HUMAN PS1689 ARYLSULFATASE D PRECURSOR; contains element HGR element;	plens vitamin D (1,25-dihydroxyvitamin D3) receptor (VDR), mRNA, plens voltage-dependent calclum channel alpha 1G subunit isoform as (CACNA1G) mRNA, calcumate dependent calclum channel alpha 1G subunit isoform as (CACNA1G) mRNA, and cares placemate blooweeks. ZNbHPBtbSW Homo sepiens cDNA clone INAGE:17146443' SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR; contains element HOR element; Al Soares placemate subweeks. ZNbHPBtbSW Homo sepiens cDNA clone INAGE:17146443'
piens voltage-dependent calcium channel alpha 1G subunit isoform se (CACNA1G) mRNA, cots  **A Soares_placenta_8to9weeks_ZNbHP8to9W Homo sepiens cDNA clone IMAGE:1714644 3'  **SW:ARSD_HUMAN P61689 ARYLSULFATASE D PRECURSOR ;contains element HGR element;	piens voltage-dependent calcium channel alpha 1G subunit isoform as (CACNA1G) mRNA, cds cds x1 Soares_placenta_8tc9weeks_2NbHP8tc9W Homo sepiens cDNA clone IMAGE:17148443' SW:ARSD_HUMAN P61689 ARYLSULFATASE D PRECURSOR ;contains element HGR element; X1 Soares_placenta_8tc9weeks_2NbHP8tc9W Homo sapiens cDNA clone IMAGE:17148443' SA Soares_placenta_8tc9weeks_2NbHP8tc9W Homo sapiens cDNA clone IMAGE:17148443'
ricts X1 Soares_placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:17148443' SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR; contains element HGR element;	cds x1 Soares_placenta_8to9weeks_2NbHP8to9W Homo septens cDNA clone IMAGE:1714644 31 SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR ;contains element HGR element; X1 Soares_placenta_8tb9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644 31 SW ARSD_HUMAN Develop REM SECOND AND SHILE A TARGE DEED INSOR And SHILE HGB
.X1 Soares_placenta_8to9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:17148443' SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR ;contains element HGR element;	XI Soures_placenta_8to9weeks_ZNbHP8tb9W Homo sapiens cDNA clone IMAGE:1714844 3' SW:ARSD_HUMAN P51689 ARYLSULFATASE D PRECURSOR ;contains element HGR element; XI Soures placenta_8tb9weeks_ZNbHP8tb9W Homo sapiens cDNA clone IMAGE:1714844 3' XI Soures placenta_8tb9weeks_ZNbHP8tb9W Homo sapiens cDNA clone IMAGE:1714844 3' XI Soures placenta_8tb9weeks_ZNBHP8tb9W TATASE N DBECTIPSOR youtships cloument HGPA
SW.AKSD_HUMAN PO1888 AKTLSULPATASE D PRECUNSON, contains agrifient row element;	SW:ARSD_HUMAN PO1689 ARYLSOLFATASE D FRECUNSOR, contains general rich element;  Af Soares, placenta_stroweeks_ZNbHP8tb9W Homo sapiens cDNA clone IMAGE:1714844 3'  ACCOUNTS DEFENDATION OF SELECTION CONTAINS PROPERTY OF TABLE DEED FOR SANATHER PARENTY HERE TO DEED FOR SANATHER PARENTY HERE
element;	element; X Soares, placenta, 8tb9weeks, 2NbHP8tb9W Homo sapiens cDNA clone IMAGE:1714644 3' Out. Angretic States and States Stat
	XI Soares_placenta_sto9weeks_2NbHP8to9W Homo sapiens cDNA clone IMAGE:1714644.3'

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Top Hit Descriptor	Homo sapiens candidate taste receptor TZR9 gene, complete cds	Homo sapiens candidate taste receptor T2R9 gene, complete cds	Homo sapiens myosin, heavy polypeptide 8, skeletal muscle, perinatal (MYHB), mRNA	Homo seplens myosin, heavy polypeptide 8, skeletal muscle, perinatal (MYHB), mRNA	602035089F1 NCI_CGAP_Brn64 Homo saplens cDNA clone IMAGE:4182839 5'	zn60f09.r1 Stratagene musole 937209 Homo sapiens cDNA clone IMAGE:562601 5' similar to TR:G806562 G806562 NEBULIN ;	DKFZp434B0226_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434B0226 5'	DKFZp434B0226_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434B0226 5'	Homo saplens partial mRNA for LTRPC5 protein (LTRPC5 gene)	601174576F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3529794 5'	Homo sapiens hypothetical protein (FLJ20261), mRNA	AU118607 HEMBA1 Homo sapiens cDNA clone HEMBA1003969 5'	Homo sapiens ankyrin 1 (ANK1) mRNA, complete cds	Homo sapiens ankyrin 1 (ANK1) mRNA, complete cds	Homo sapiens adiican mRNA, complete cds	H.sapiens DNA for ZNGP2 pseudogene, exon 4	Human P2x1 receptor mRNA, complete cds	Human P2x1 receptor mRNA, complete cds	EST388573 MAGE resequences, MAGD Horio saplens cDNA	EST362586 MAGE resequences, MAGA Homo sapiens cDNA	AF001543 Human cDNA (Chandrasekharappa,S.C.) Homo sapiens cDNA clone kappa_200	AF001543 Human cDNA (Chandrasekharappa,S.C.) Homo saplens cDNA clone kappa_200	AF001543 Human cDNA (Chandrasekharappa,S.C.) Homo saplens cDNA clone kappa_200	Human BTF3 protein homologue gene, complete ods	601302679F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3637434 5'	ym88h10,r1 Scares adult brain N2b4HB55Y Homo sapiens cDNA clone IMAGE:166051 5'	xb38a05.y1 NCI_CGAP_Lu31 Homo sapiens cDNA clone IMAGE:2578640 5' simitar to TR:Q08050 Q08050	HNF3/FH TRANSCRIPTION FACTOR GENESIS;	AU117553 HEMBA1 Homo saplens cDNA clone HEMBA1001661 5'	Homo sapiens glucagon-like peptide 2 receptor (GLP2R), mRNA	zn56f02.r1 Stratagene muscle 937209 Homo sapiens cDNA clone IMAGE:562203 5' similar to gb:X03740 NYOSIN HEAVY CHAIN, SKELETAL MUSCLE (HUMAN);	MR0-ÁN0083-270900-004-f07 AN0083 Homo sapiens cDNÁ
Top Hit Databæse Source	LZ	Ŋ	NT	님	EST_HUMAN	EST HUMAN	EST_HUMAN	Г	LN	EST_HUMAN	N	EST_HUMAN	INT	IN	NT	NT	NT	LΝ	EST_HUMAN	EST_HUMAN		•		IN		HUMAN		EST_HUMAN	EST HUMAN	L	EST_HUMAN	П
Top Hit Acession No.	0.0E+00 AF227135.1	0.0E+00 AF227135.1	11426392 NT	11426392 NT	0.0E+00 BF337375.1	0.0E+00 AA128453.1	0.0E+00 AL079497.1	0.0E+00 AL079497.1	0.0E+00 AJ270996.1	0.0E+00 BE295499.1	11427965 NT	0.0E+00 AU118607.1	0.0E+00 AF005213.1	0.0E+00 AF005213.1	0.0E+00 AF245505.1	(70172.1	145448.1	J45448.1	0.0E+00 AW956503.1	0.0E+00 AW950516.1	0.0E+00 AF001643.1		0.0E+00 AF001543.1	V90354.1	0.0E+00 BE408293.1	387430.1		0.0E+00 AW239326.1	0.0E+00 AU117553.1	11427135 NT	0.0E+00 AA211663.1	0.0E+00 BF229235.1
Most Similar (Top) Hit BLAST E Value	0.0E+00/	0.0E+00.0	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X70172.1	0.0E+00 U45448.1	0.0E+00 U45448.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M90354.1	0.0E+00	0.0E+00 R87430.1		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0.74	0.74	5.41	5.41	13.11	3.49	0.77	0.77	0.69	1.13	0.91	1.33	1.71	1.71	0.83	6.47	5.81	5.81	0.89	2.31	1.03	1.03	1.03	0.58	0.8	1.09		1.81	1.5	3.8	0.62	0.63
ORF SEQ ID NO:	33955					33981					34012				34026							34079	34080		34101			34129		34146		34174
Exan SEQ ID NO:		20486			20491		20497	20497	_			20541		1	20554			_					-	20624	20625				20670		20692	
Probe SEQ ID NO:	7408	7408	7410	7410	7413	7415	7420	7420	7431	7461	7463	7466	7467	7467	7479	7487	7489	7489	7502	7504	7531	7531	7531	7552	7553	7580		7581	7600	7602	7622	7629

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					Signio		
Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
7634	20703	34182	0.67	0.0E+00	0.0E+00 AW405627.1	EST_HUMAN	UFHF-BL0-abs-d-07-0-UL11 NIH_MGC_37 Homo sapiens cDNA clone IMAGE:3057469 5'
7841	١_	34189	8.0		0.0E+00 L32832.1	NT	Homo sapiens zinc finger homeodomain protein (ATBF1-A) mRNA, complete cas
7667	20733				0.0E+00 BF306996.1		601889823F1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE:4123948 5
7667					0.0E+00 BF306996.1		601889823F1 NIH MGC_17 Homo sapiens cDNA clone IMAGE:4123948 b
7675	l '		1.09	L	0.0E+00 AU118767.1	EST_HUMAN	AU118767 HEMBA1 Homo sapiens cDNA clone HEMBA1004314 5
7733	20794	34281	4.41		0.0E+00 AI752561.1	EST_HUMAN	cn17d05x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn17d05 random
7733		34282	4.41		0.0E+00 AI752561.1		cn17d05.x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn17d05 random
9877	L	34344	9.0		0.0E+00 AL046347.2		DKFZp434J087_r1 434 (synonym: htss3) Homo saplens cDNA clone DKFZp434J087 5
7813	ł		1.79		0.0E+00 AF064205.1	FZ	Homo sapiens dynactin 1 (DCTN1) gene, atternatively spliced products, exons 7 through 32 and complete cds
	1				4 000 00 00 00 00 00 00 00 00 00 00 00 0	E <sub>2</sub>	Homo sapiens dynactin 1 (DCTN1) gene, alternatively spliced products, exons 7 through 32 and complete ods.
787	20876	34375			0.0E+00 U74315.1	EST HUMAN	HSU74315 Human chromosome 14 Homo sapiens cDNA clone 1-4
9	1				TN C487141	L <sub>2</sub>	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain [TM] and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), mRNA
8	1						wb17g05.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2305976 3' similar to TR:075363 075363
7863	20917	34422	2 0.7		0.0E+00 AI825504.1	EST HUMAN	AIBC1.;
7863		34423	3 0.7		0.0E+00 AI825504.1	EST_HUMAN	wb17g05x1 NCI_CGAP_GC6 Homo sapiens cDNA cione IMAGE:2305976 3 similar to 1 K:U78363 U78363 ABC1.;
7871			1.84		6912735 NT	L	Hamo saplens transient receptor potential channel 5 (TRPC5), mRNA
7877	20929		0.88		0.0E+00 N76126.1	EST_HUMAN	za86e05.s1 Scares_fetal_bing_NbHL19W Homo sapiens cDNA clone IMAGE:2994563
7881	20833	L			0.0E+00 BF217905.1	EST_HUMAN	601885465F1 NIH_MGC_57 Homo saplens cDNA clone IMAGE:4103729 5
7886					0.0E+00 BF569862.1	EST HUMAN	602185808F1 NIH_MGC_45 Homo saplans cDNA clone IMAGE: 4310250 5
7891	1		3.52		0.0E+00 AU129622.1	EST_HUMAN	AU 129622 NT2RP2 Homo septiens cDNA clone NT2RP2005913 5
7911	_				0.0E+00 AW069274.1	EST_HUMAN	cr42e09.x1 Jia bone marrow stroma Homo sapiens cDNA olone HBMSC_cr42e093
7911	L				0.0E+00 AW089274.1	EST_HUMAN	cr42e09.x1 Jla bane marraw strama Hamo saplens cDNA clane HBMSC_cr42e09.3
7915	1		2 6.67		4501848 NT	LN	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mKNA
7922	L		9 0.92		0.0E+00 AV758487.1	EST_HUMAN	AV758467 BM Homo sapiens cDNA clone BMFBGG05 5
7924	L	34480	5.78		0.0E+00 BE739870.1	EST HUMAN	601503156F1 NIH_MGC_9 Homo sapiens cDNA cione iMAGE:3947365 5
7924	20974		1 5.78		0.0E+00 BE739870.1	EST HUMAN	601593156F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3947365 5
7925	20975	34482	2 0.76	0.0E+00	6912461 NT	TN	Homo sapiens atrophin-1 interacting protein 1; activin receptor interacting protein 1 (KIAA0705), mRNA

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Top Hit Descriptor	Homo sapiens atrophin-1 interacting protein 1; activin receptor interacting protein 1 (KIAA0705), mRNA	Г		hab22c04.XT.Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:3263214.3' similar to contains element TAR1 repetitive element:	Т	601481713F1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3884258 51	Г		Г	Homo sapiens similar to ER to nucleus signalling 1 (H. sapiens) (LOC63433), mRNA	Γ	Г	Homo sapiens cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C, member 7) (CFTR), mRNA	Homo sapiens cystic fibrosis transmembrane conductance regulator, ATP-binding cassette (sub-family C,	member 7) (CFTR), mRNA	I AU133187 NT2RP4 Homo saplens cDNA clone NT2RP4001507 5	I 601885317F1 NIH_MGC_57 Homo sapiens cDNA clone IMAGE:4103693 5'	I 601150347F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3503050 5				П	Human amykoid-beta protein (APP) gene, exon 11	Human amyloid-beta protein (APP) gene, exon 11	bbs4d02.y1 NIH_MGC_10 Homo saplens cDNA clone IMAGE:2885123 5' s/miler to TR.084652 064652   F17K2.26'PROTEIN.;			Z81b04.r1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:728719.5' similar to TR:G300482 G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);
Top Hit Database Source	FX.	EST_HUMAN	EST_HUMAN	NAMI H TAR	EST HUMAN	EST_HUMAN	FN	EST_HUMAN	EST_HUMAN	TN	EST HUMAN	EST_HUMAN	Ė		N	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	MT	F	EST HUMAN		EST HUMAN	EST_HUMAN
Top Hit Acession No.	6912481 NT	0.0E+00 AU120424.1	0.0E+00 AU120424.1	0 0E+00 BE590367 1	0.0E+00 BE787610.1	0.0E+00 BE787610.1	0.0E+00 Y16795.1	0.0E+00 Al346148.1	0.0E+00 W52673.1	11425128 NT	0.0E+00 AU117333.1	0.0E+00 BE613963.1	6995995		6995995 NT	0.0E+00 AU133187.1	0.0E+00 BF217200.1	0.0E+00 BE313013.1	0.0E+00 AA149791.1	0.0E+00 BF026628.1	0.0E+00 AA017021.1	0.0E+00 BE736046.1	0.0E+00 M34872.1	0.0E+00 M34872.1	0.0E+00 AW674581.1		0.0E+00 AW674581.1	0.0E+00 AA397551.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	00+400	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	00+300		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00
Expression Signal	0.76	1.05	1.05	12.57	1.86	1.86	0.63	3.86	0.86	0.58	0.59	0.57	0.73		0.73	0.49	69'0	0.61	1.36	0.72	0.55	2.06	3.19	3.19	0.56		0.56	2.07
ORF SEQ ID NO:	34483		34485			34520		l	34564	1			34580		34581	34640		34695		L							34805	34811
SEQ ID NO:	20976		20976		21009	21009	21048	1	1	21052	1	1	21069		21069	1	ı	21178	21190	21203	L	1	1_		l	L	21282	21289
Probe SEQ ID NO:	7925	7926	7926	70.48	7859	7959	7998	7999	89	8002	8003	8004	87.0		8018	8037	8083	9608	8108	8121	8135	8153	8170	8170	8200		8200	8207

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Top Hit Descriptor	MR0-ST0031-061099-003-a11 ST0031 Homo sapiens cDNA	Homo sapiens mRNA for KIAA0884 protein, partial cds	AU142402 Y79AA1 Homo sapiens cDNA clone Y79AA1000277 5'	601285550F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3607237 5'	601285550F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3807237 5	Homo sapiens killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tall, 1 (KIR2DS1), mRNA	ze05d01.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:358081 5	ze05d01.r1 Scares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:358081 5'	602153008F1 NIH_MGC_81 Homo sapiens cDNA clone IMAGE:4294128 5'	AU134114 OVARC1 Homo sapiens cDNA clane OVARC1001296 5'	602069632F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4212727 5'	602069632F1 NCI_CGAP_Bm64 Homo eapiens cDNA clane IMAGE:4212727 51	DKFZp761P092_r1 761 (synonym: hamy2) Homo saplens cDNA clone DKFZp761P092 5	DKFZp781P092_r1 761 (synonym: hamy2) Homo sapiens cDNA done DKFZp761P092 5	601485254F1 NIH_MGC_69 Homo sapiens cDNA clone IMAGE:3887773 5'	UI-HF-BN0-aki-f-01-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3077498 5	aug3b08.xt Schneider felal brain 00004 Homo sapiens oDNA clono IMAGE:2783799 3' similar to TR:060483 060483 TYPE-2 PHOSPHATIDIC ACID PHOSPHOHYDROLASE. [1];	xa07d12x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2567639 3' similar to contains alement OFR reportitive element:	Homo sapiens centrosomal protein 2 (CEP2), mRNA	za38d05.r1 Scares fetal liver spleen 1NFLS Homo sapiens cDNA olone IMAGE:294633 51	601578195F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3926998 5'	601578195F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3926988 5'	Homo saplens Xq pseudoautosomal region; segment 1/2	Human DNA for ceruloplasmin, exon 5	qv85c12.x1 NC _CGAP_Ut2 Homo sapiens cDNA clone IMAGE:1989334 3' simitar to TR:Q14673 Q14673 KIAA0164 PROTEIN.;	7476a04.xt NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3278862 S' similar to TR:O96793 O96793 STAUFEN PROTEIN.;	wI60b10.x1 NCI_CGAP_Brn25 Home sapiens cDNA done IMAGE:;2428275 3' stritiar to SW:COGT_HUMAN P50281 MATRIX METALLOPROTEINASE-14 PRECURSOR;	601334790F1 NIH_MGC_39 Homo saplens cDNA clone IMAGE:3888655 5'
Top Hit Database Source	T_HUMAN				EST_HUMAN 6		T HUMAN				EST_HUMAN 6	EST_HUMAN 6	EST_HUMAN D		EST_HUMAN 6	EST_HUMAN L	EST_HUMAN T		Т	T HUMAN		EST_HUMAN 6		INT TN	EST HUMAN K	EST HUMAN S	EST_HUMAN	EST_HUMAN 6
Top Hit Acesslan No.	0.0E+00 AW387131.1	0.0E+00 AB020691.1	0.0E+00 AU142402.1	0.0E+00 BE388421.1	0.0E+00 BE388421.1	TN 9222597	W95278.1	W95278.1	0.0E+00 BF673096.1	0.0E+00 AU134114.1	0.0E+00 BF526634.1	0.0E+00 BF525534.1	0.0E+00 AL120124.1	0.0E+00 AL120124.1	0.0E+00 BE877693.1	0.0E+00 AW500549.1	0.0E+00 AW157233.1	0 05 400 01/02/2305 1	1722	0.0E+00 W01816.1	0.0E+00 BE745597.1	0.0E+00 BE745597.1	0.0E+00 AJ271735.1	D45032.1	0.0E+00/Al367350.1	0.0E+00 BE674157.1	0.0E+00 AI885671,1	0.0E+00 BE563650.1
Most Similar (Top) Hit BLAST E Value	0.0E+00				0.0E+00	00+30	0.0E+00 W95278.1	0.0E+00 W95278.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	007100	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D45032.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0,85	0.64	6.15	0.86	0.86	0.59	0.84	0.84	4.11	0.93	96'0	0.95	1.35	1.35	1.18	1.27	14.12	89.0	111	0.57	1.3	1.3	1.13	0,46	0.63	2.23	1.96	1,47
ORF SEQ ID NO:	34812		34814	34818	34819	34833					34853	34854	34886	34887		34956	34962	10076			35007	35008	35022			l		$\  \ $
Exon SEQ ID NO:		21294		21298		2333	┸	L	1	1	21335		1	l		21432	21440	3461		1	ı	ı	L	21512		L	l	Ц
Probe SEQ ID NO:	8209	8212	8213	8218	8216	R234	8233	8233	8235	8239	8253	8253	8285	8285	8328	8351	8359	07.00	8304	8397	8399	8399	8411	8431	8450	8462	8464	8477

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	Top Hit Descriptor	601334790F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3688655 5'	Homo sapiens Chediak-Higashi syndrome 1 (CHS1), mRNA	Homo sapiens Chedlak-Higashi syndrome 1 (CHS1), mRNA	zv65f02.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:758619 5' similar to TR:01304132 G1304132 TPRD.;	zó6002.rt Scares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone INAGE:758619 5' similar to	1170 JOST DE CIOCHIOZ HIND.	ZI/JABOS I SOBLES, LESIS, NOT I FIGURE SQUEETS CLIVA GOTE INACE. / Z/830 S SITTLER TO BE. SOSOSOS PROHIBITIN (HUMAN);	RC2-FN0094-120600-013-h07 FN0094 Homo saplens cDNA	QV3-DT0045-221299-046-c07 DT0045 Homo sapiens cDNA	QV3-DT0046-221299-046-c07 DT0045 Homo sapiens cDNA	601452412F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE:3856179 6'	601452412F1 NIH_MGC_66 Homo saplens cDNA clone IMAGE:3856179 5	Homo sapiens chromosome 21 segment HS21C009	Homo saplens chromosome 21 segment HS21C009	wm33a11.x1 NCj_CGAP_Ut4 Homo saplens cDNA clone IMAGE:2437724 3' similar to TR:075457 075457 CYTOSOLIC PHOSPHOLIPASE A2-GAMMA.;	ne25d10.s1 NCI_CGAP_Cc3 Homo saplens cDNA clone IMAGE:882269 3' similar to TR:G1138434	G1136434 KIAA0187 PROTEIN.;	Homo sapiens protocadhenn beta 3 (PCDHB3), mRNA	ta04f11.x1 Scares_pregnant_ulerus_NbHPU Homo sapiens cDNA clone IMAGE:2043117 3	601431238F1 NIH_MGC_72 Homo saplens cDNA clone IMAGE:3916569 5	2822701.5prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2822701 5	2822701.5prime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2822701 5'	Homo sapiens mitogen-activated protein kinase kinase kinase 13 (MAP3K13), mRNA	Homo sapiens mitogen-activated protein kinase kinase kinase 13 (MAP3K13), mRNA	Human zinc finger protein (ZNF165), gene, exons 2 and 3	Human zinc finger protein (2NF165), gene, exons 2 and 3	Human Chediak-Higashi syndrome protein short Isoform (LYST) mRNA, complete ods	Homo saplens NESP55, GNAS1 antisense (partial) and XLalphas (partial) genes	H.sapiens mRNA for gamma-glutamyltransferase	H.sapiens mRNA for gamma-glutamytransferase	H.sapiens mRNA for gamma-glutamytransferase
	Top Hit Database Source	EST_HUMAN	LN	LN TA	EST_HUMAN	MAN III TOU	NICHOLD IN THE	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN			LN	EST HUMAN		EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ΝT	IN	NT	NT	NT	NT	NT	LN	NT
	Top Hit Acession No.	0.0E+00 BE563650.1	11427235 NT	11427235 NT	0.0E+00 AA403192.1	0 0000000000000000000000000000000000000	74400196.1	0.0E+00 AA398511.1	0.0E+00 BE837593.1	0.0E+00 AW364874.1	0.0E+00 AW364874.1	0.0E+00 BE612586.1	0.0E+00 BE612586,1	0.0E+00 AL163209.2	0.0E+00 AL163209.2	0.0E+00 AI884477.1		0.0E+00 AA502294.1	11416799]NT	0.0E+00 AI580780.1	0.0E+00 BE890797.1		0.0E+00 AW246765.1	4758695	4758695 NT	0.0E+00 U88084.1	0.0E+00 U88084.1	0.0E+00 U84744.1	0.0E+00 AJ251760.1	0.0E+00 X98022.1	0.0E+00 X98922.1	0.0E+00 X98922.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0	O.OE-TOO	0.0E+00	0.0E+00	00+30.0	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	1.47	1.72	1.72	0.84	. 0	5	3.61	0.5	1.34	1.34	1.24	1.24	1.18	1.16	0.93		0.71	0.68	0.52	2.08	0.61	0.61	2.13	2.13	0.61	0.61	0.48	0.7	2.81	2.81	2.81
	ORF SEQ ID NO:	35092		35103		25408	20125		35155	35156	ŀ	35176	35177	35194	35195	35202		35208		35220		35246	35247					35309				35325
	Exon SEQ ID NO:	21558	21588	21566	21568	24560	41000	21609	21618	21619	21619	21638	21638	21653	21653	21662		21669	21674	21682			21710	١ ١		21715	i			21789		21789
	Probe SEQ ID NO:	8477	8485	8485	8487	2407	Ì	8528	8537	8538	8538	8557	8557	8572	8572	8581		8588	8593	8601	8604	8630	. 8630	8631	8631	8635	8635	8697	8704	8709	8709	8709

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Top Hit Descriptor	yg09e09.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31674 5'	yg09e09.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31674 5'	hf48a09.x1 Scares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:29350963'	hf48a09.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2836096 3'	AV714764 DCB Homo saplens cDNA clone DCBAUA06 5'	DKFZp434C1814_s1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434C1814 3'	DKFZp434C1814_s1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434C1814 3'	Homo sapiens killer Inhibitory receptor 2-2-1 (KIR221) and killer Inhibitory receptor 2-2-2 (KIR222) genes, partial ods	Homo sapiens mRNA for KIAA1512 protein, partial cds	7k29b03.x1 NCI_CGAP_Ov18 Homo sapiens cDNA clone IMAGE:3476692 3' sImilar to TR:036448 036448	S GAG. :	Homo saplens tumor protein p73 (TP73), mRNA	Human Ig rearranged H-chain epsilon-3 pseudogene, constant region	Homo saplens mRNA for KIAA0823 protein, partial ods	Homo sapiens mRNA for KIAA0823 protein, partial cds	AV680739 GLC Homo septens cDNA clone GLCGKG123'	Homo sapiens polycystin-L (PKDL), mRNA	601588304F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3942553 5'	601141119F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3140740 5'	601141119F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3140740 5'	601452862F1 NIH_MGC_66 Homo saplens cDNA clone IMAGE:3856100 5'	601452582F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE:3856100 5'	Human polymorphic loci in Xq28	Human mRNA for GABA-A receptor, alpha 1 subunit	AU127096 NT2RP2 Homo sapiens cDNA clone NT2RP2000579 5'	an 29e04.x1 Gessler Wilms turner Home septens cDNA clone IMAGE:1700094.3'	wq34q12x1 NCI_CGAP_GC8 Homo sapiens cDNA clone IMAGE:2473150 3' similar to SW:MGB3_HUMAN	015480 MELANOMA-ASSOCIATED ANTIGEN B3;	Homo capiene protocadherin alpha 8 (PCDHA8), mRNA	EST370381 MAGE resequences, MAGE Homo sepiens cDNA	Human endogenous retrovirus, complete genome	AU142662 Y79AA1 Homo saplens cDNA clone Y79AA1000678 5'	Homo sapiens MAP-kinase activating death domain (MADD), mRNA
Top Hit Database Source	EST_HUMAN		EST_HUMAN		П	EST_HUMAN	EST_HUMAN		Z		HOMAN		NT		IN	T_HUMAN		П		EST_HUMAN		EST_HUMAN	NT			EST HUMAN		T_HUMAN		T HUMAN		HUMAN	
Top Hit Acession No.	317132.1		0.0E+00 AW592233.1	0.0E+00 AW592233.1	0.0E+00 AV714764.1	0.0E+00 AL040428.1	0.0E+00 AL040428.1	0.0E+00 AF133901.1	0.0E+00 AB040945.1	,	0.0E+00 BF058289.1	1422857			0.0E+00 AB020630.1	0.0E+00 AV660739.1	7706638 NT		0.0E+00 BE315402.1	0.0E+00 BE315402.1	0.0E+00 BE612721.1	0.0E+00 BE612721.1	0.0E+00 M89986.1	K14766.1	0.0E+00 AU127096.1	0.0E+00 AI061395.1		0.0E+00 AI954607.1	9256595 NT	0.0E+00 AW958311.1	5487	0.0E+00 AU142662.1	11436996 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00 R171321	0.0E+00 R17132.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	100	0.0=+00	0.0E+00	0.0E+00 K01241.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X14766.1	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	89.0	0.68	4.78	4.78	0.93	3.17	3.17	1.32	2,12	70.0	0.61	2.79	1.59	5.28	5.28	1.84	3.41	0.6	4.22	4.22	9.0	9.0	0.54	1.65	0.53	0.83		1.96	5.69	2.73	1.32	0.84	1.04
ORF SEQ ID NO:	35700	10738				35766	35767	36773	35776			35808	35818	35828	35829	35835	35841	35846	35867	35868	35883	35884		35888		32909				35930	35940	35956	35974
Exen SEQ ID NO:	22157					22224	22224	2222	22231	3000	2223	ı	22279			1								22338		22359			22369				22420
Probe SEQ ID NO:	9078	8008	9082	808	9129	9145	9145	9151	9153	70,70	19161	9191	9201	8209	9209	9214	9220	9226	9248	9246	9256	9268	9259	9281	9279	8283		9288	9283	9303	9313	9328	9344

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Γ	1	7		1	7	Т	1	T	T	7	T	7			T		snin		sulu 5. ii	T	Į	T	Ţ	Ĩ	<u>"</u>	<u></u>	1	n.	Í	1.4		1	
	Top Hit Descriptor	601301676F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3638163 5'	7g97h12.x1 NCI_CGAP_Co16 Homo sapiens dDNA clone IMAGE:3314471 3' sImilar to TR:Q9UH62 Q9UH62 HYPOTHETICAL 42.6 KD PROTEIN. ;	Homo sapiens mRNA for KIAA0578 protein, partial cds	601589294F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3943463 5'	RC3-PT0151-290600-011-c05 PT0151 Homo sapiens cDNA	RC3-PT0151-290600-011-c05 PT0161 Homo sapiens cDNA	AU136229 PLACE1 Homo sepiens cDNA clone PLACE1003804 5	601510247F1 NIH_MGC_71 Homo saplens cDNA clone IMAGE:3911986 5	601510247F1 NIH_MGC_71 Homo saplens cDNA clone IMAGE:3911986 5	Homo sapiens mRNA for KIAA0594 protein, partial cds	EST50505 Gall bladder I Homo sapiens cDNA 5' end	EST50505 Gall bladder I Homo capiens cDNA 5' end	ba54d08,38 NIH_MGC_10 Home sapiens cDNA clone IMAGE:2900367 5" cimilar to TR:060275 060275	KIAA052Z PRO LEIN ;	ba64d08.y3 NIH_MGC_10 Homo saplens cDNA clone IMAGE:2900367 5' similar to TR:060275' 060275 KIAA0522 PROTEIN ;	bagef05,yf NIH_MGC_7 Home sapiens cDNA clone IMAGE:2823873 5' similar to gb:L35049 Mus musculus	Bct-xL mRNA, complete cds (MOUSE);	ba09f05,y1 NIH_MGC_7 Home saplens cDNA clone IMAGE:2823873 5' similar to gb:L35049 Mus musculus Bold mebuk complete ode MAI ISE:	POTAL IN THE CONTINUES OF CONTINUES CONTINUES CONTINUES INTO CONTINUES CONTI		UVZ-H UBBE-ZDV/UZ-ZB-ZB H UBBE CONN	601455116F1 NIH MGC 68 Homo sapiens cDNA clone IMAGE:3859035 5	601455116F1 NIH MGC_66 Homo saplens cDNA done IMAGE:3859035 6	RC-BT108-040399-032 BT108 Homo saplens cDNA	Homo sepiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	(LILRB5), mRNA	Homo sapiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	(LILRBS), mRNA	DKFZp434L0120_11 434 (synonym: htss3) Homo saplens oDNA clone DKFZp434L0120 6	low60h01.xf Scares_NSF_F8_9W_OT_PA_P_S1 Homo saplens cDNA clone IMAGE:1651249 3' similar to JTR:Q14677 Q14677 KIAAD171 PROTEIN. ;	RATRO2245F1 NIH MGC 17 Home seriens CDNA clone IMAGE:4138066 5	
	Top Hit Database Source	EST_HUMAN	EST HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN	EST_HUMAN	EST_HÜMAN		EST HUMAN	EST HUMAN		EST_HUMAN	144741111	בפון	ES L'HOMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		L'A		NT	EST HUMAN	EST HUMAN	LIMAN I	
16	Top Hit Acession No.	,0E+00 BE410768.1	0E+00 BF002024.1		3.0E+00 BE794823.1	0.0E+00 BE810292.1	0.0E+00 BE810292.1	1.0E+00 AU136229.1	0.0E+00 BE883843.1		0.0E+00 AB011168.1	.0E+00 AA344601.1	.0E+00 AA344801.1		0.0E+00 AW673469.1	0.0E+00 AW673469.1		0.0E+00 BE207083.1		O.UE+00 DEZU/OSS. 1	0.0E+00 BF348013.1	0.0E+00 BE712515.1	0.0E+00 BF034377.1	0.0E+00 BF034377.1	0.0E+00 AI906351.1		5803069 NT		5803069 NT	0.0E+00 AL042278.1	0 0F+00 A 088043 1		
	Most Similar (Top) Hit BLAST E Value	0.0E+00E	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 /	0.0E+00	0.0E+00		0.0E+00/	00+300		0.0E+00		0.00	0.0E+00	0.0E+00					0.0E+00		0.0E+00				
	Expression Signal	0.78	1.32	1.62	3.42	0.47	0.47	26.0	1.19	1.19	0.67	54.7	1.43		96.0	96 0		0.99		8.0	1.95	3.1			0.58		0.77		0.77	0.85	1.2	ľ	
	ORF SEQ ID NO:		35893			L	36016			L		L	36045		36083	36084		36116							36285		36297		36298				
	Exen SEQ ID NO:	22421	ŀ	1	1			L	22461				1	ı	22521	20621	ļ	22554	<u>L</u>	╛				(	22725	<u>1</u>	22728	1	22728	L	(	Т	
	Probe SEO IO NO:	9345	9359	9373	9374	9378	9378	9381	9386	9386	9403	9407	9407		9464	0484		9498		9498	9509	9545	2226	9577	9583		9286		9586	9598	2692	208	8030

Page 536 of 550 Table 4 Single Exon Probes Expressed in Placenta

Top Hit Descriptor	Homo sapiens hypothetical C2H2 zinc finger protein FLJ22504 (FLJ22504), mRNA	Homo sapiens hypothetical C2H2 zinc finger protein FLJ22504 (FLJ22504), mRNA	qm09a06.x1 NC_CGAP_LuS Home sepiens cDNA clone IMAGE:1881288 3' similar to SW:RL2B_HUMAN P29316 60S RIBOSOMAL PROTEIN L23A.;	qm09a06.x1 NCL_CGĀP_Lu5 Homo sapiens cDNA cione IMAGE:1881298 3' similar to SW:RL2B_HUMAN   P29316 60S RIBOSOMAL PROTEIN L23A.;	EST366026 MAGE resequences, MAGC Homo sapiens cDNA	Homo seplens polycystic kidney disease 2-like protein (PKD2L) gene, exon 8	601510882F1 NIH_MGC_71 Homo sapiens aDNA clane IMAGE:3912165 5'		801109942F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3350722 5'	601466828F1 NIH_MGC_67 Home sapiens cDNA clone IMAGE:3870007 5'	601468828F1 NIH_MGC_67 Homo saplens cDNA clone IMAGE:3870007 5	au86c04.y1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2783142 5' similar to gb:M36072	66S RIBOSOMAL PROTEIN L74 (HUMAN);	Homo sapiens DNA for amyloid precursor protein, complete cds	601145054F2 NIH_MGC_19 Homo saplens dDNA clone IMAGE:3160477 5'		_	601578683F1 NIH_MGC_9 Homo sepiens cDNA clone IMAGE:3927548 5'	Homo septens solute carrier family 21 (organic anion transporter), member 9 (SLC21A9), mRNA	Homo sapiens solute carrier family 21 (organic anion transporter), member 9 (SLC21A9), mRNA	Homo saplens solute carrier family 21 (organic anion transporter), member 9 (SLC21A9), mRNA	601673425F1 NIH_MGC_21 Home sapiens cDNA clane IMAGE:3956238 5'	AV701829 ADB Homo seplens cDNA clone ADBBYH01 5'	Homo saplens keratin 2e (KRT2E) gene, complete cds	Homo saplens keratin 2e (KRT2E) gene, complete cds	RC2-BT0642-130300-017-g01 BT0642 Homo sapiens cDNA	UI-HF-BN0-akg-b-12-0-UI.r1 NIH_MGC_50 Homo sepiens cDNA clone IMAGE:3076943 5	UI-HF-BN0-akg-b-12-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3076943 5'	Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen gene families	Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen gene families
Top Hit Database Source	N	Z	EST_HUMAN	EST HUMAN	EST_HUMAN	LZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	TN	TN	NT	EST_HUMAN	EST_HUMAN	N	LN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę	뉟
Top Hit Acession No.	11560151 NT	11560151 NT	0.0E+00 AI290909.1	0.0E+00 A[290909.1	-	0.0E+00 AF153456.1	0.0E+00 BE885128.1	0.0E+00 BE885128.1	0.0E+00 BE255829.1	0.0E+00 BE781382.1	0,0E+00 BE781382.1		0.0E+00 AW163779.1	0.0E+00 D87675.1	0.0E+00 BE263191.1	C06158.1	0.0E+00 C06158.1	0.0E+00 BE746215.1	11437282 NT	11437282 NT	11437282 NT	0.0E+00 BE900549.1	0,0E+00 AV701829.1	0.0E+00 AF019084.1	0.0E+00 AF019084.1	0.0E+00 BE082977.1	0.0E+00 AW500293.1	0.0E+00 AW500293.1	0.0E+00 AF029308.1	0.0E+00 AF028308.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00.	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	00+30'C	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00 C06158.1	00+30.0	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	
Expression Signal		232	6.52	6.52	215	3.95	69.0	0.69	5.87	1.44	1.44		5.46	0.58	3.41	4.49	4.49				2.03	_	1.5	2.55	2.55	1.13			1.87	1.87
ORF SEQ ID NO:	34595		34599	34600	١	36201				36305									36378	l		l		l				36465	36470	
Exon SEQ ID NO;		21083		21085	ŀ	22632	1	l	ı		1	ŀ			t				22804			•			ŀ			22881	22890	1 1
Probe SEQ ID NO:	9640	9640	9642	9642	9643	0296	9673	9673	9683	9686	9696		9688	2696	9709	9727	9727	9729	9739	9739	9739	9759	9776	9788	9788	9821	9841	9841	9850	9850

Page 537 of 550 Table 4 Single Exon Probes Expressed in Placenta

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Top Hit Descriptor	601470824F1 NIH_MGC_67 Hamo sapiens cDNA clane IMAGE:3874037 5'	601470824F1 NIH_MGC_67 Homo sepiens cDNA clone IMAGE:3874037 5'	zd16e11.r1 Soaros_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:340844 5'	zd16e11.r1 Scares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:340844 5'	Homo sapiens non-inhibitory killer-cell ig-like receptor KIR (KIR2DS5) mRNA, complete cds	Homo sapiens mRNA for neurexin I-alpha protein, complete cds	am58a11.x1 Johnston frontal cortex Homo saplens cDNA clone IMAGE:1539548 3'	UI-HF-BN0-akj-c-07-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3077364 5'	Multiple scierosis associated retrovirus polyprotein (pol) mRNA, partial ods	AIGF=androgen-Induced growth factor AIGF [human, placenta, Genomic/mRNA, 498 nt, segment 5 of 5]	AIGF≂androgen-induced growth factor AIGF [human, placenta, Genomic/mRNA, 498 nt, segment 6 of 5]	601334603F1 NIH_MGC_39 Homo caplens cDNA clone IMAGE:3688680 5'	CM2-CT0311-301199-043-h11 CT0311 Homo saplens cDNA	Homo sapiens multimerin (MMRN), mRNA	Homo sapiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3 (⊔LRBs), mRNA	bb28c01.x1 NIH_MGC_5 Homo saplans cDNA clone IMAGE:2964000 3'	AU132349 NT2RP3 Homo sapiens cDNA clone NT2RP3004260 5'	AU132349 NT2RP3 Homo sepiens cDNA clone NT2RP3004260 5'	UI-HF-BP0p-air-f-05-0-UI:r1 NIH_MGC_51 Homo sapiens cDNA clone IMAGE:3072897 5'	601696558F1 NIH_MGC_9 Homo seplens cDNA clone IMAGE:3949383 5'	601595558F1 NIH_MGC_9 Homo sepiens cDNA clone IMAGE:3849383 5'	Homo saplens KIAA0345 gene product (KIAA0345), mRNA	DKFZp434L0120_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434L0120 5'	DKFZp434B2416_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434B2416 5'	AU132349 NT2RP3 Homo sapiens cDNA clone NT2RP3004260 5'	Homo sapiens protocadherin alpha 12 (PCDH-alpha12) mRNA, complete cds	Homo capiens leucocyte Immunoglobulin-like receptor-1 mRNA, complete cds	Homo sapiens leucocyte immunoglobulin-like receptor-1 mRNA, complete cds	MR4-TN0114-110900-101-e04 TN0114 Homo saplens cDNA	801155227F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3138798 5'	601286351F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3613045 6'
Top Hit Database Source	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	NT	LN	EST_HUMAN	EST_HUMAN	NT	NT	E Z	EST HUMAN	EST_HUMAN	IN	E	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST HUMAN	EST_HUMAN	IN	LN	LN	EST_HUMAN	EST_HUMAN	EST HUMAN
Top Hit Acession No.	3E783272.1	3E783272.1	V58629.1	V56629.1	\F208054.1	AB035356.1	1124780.1	W 500528.1	\F009688.1	378468.1	378466.1	3E563320.1	4W363135.1	11436432	11424387	3E206710.1	NU132349.1	\U132349.1	1W500936.1	3E740490.1	3E740490.1	7662067	,		10132349.1	AF152308.1	\F009220.1	4F008220.1	3F092898.1	3E280793.1	0.0E+00 BE388700.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00.V	0.0E+00.0	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00 8	0.0E+00	0.0E+00	0.0E+00	00+30'0	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0.62	0.62	0.63	0.63	0.48	1.04	0.64	8	2.65	2.69	2.69	2.72	1.26	99.0	0.62	0.91	4.49	4.49	96.0	13.26	13.26	1.56	1.54	0.57	2,32	2,16	2.84	2.84	1.13	2.76	6.57
ORF SEQ ID NO:	38472	36473	36485	36486	38499	36500		36505	36554	36585	36586	ļ				l		38859	36671	36677	36678	36692				ĺ					
Exan SEQ ID NO:		l	ı		•		22919		22965	22092		1	1	1	i .	23045		ı	l			L	ı	1	ı	l		l	l	1	23208
Probe SEO ID NO:	9852	9852	1989	9881	9874	9876	9879	9881	9929	9953	9953	9936	9976	2697	8666	10007	10024	10024	10033	10039	10039	10052	10089	10074	10084	10085	10112	10112	10128	10160	10169
	SEQ ID NO: Signal BLASTE No. Source	Exon SEQ ID NO:         ORF SEQ Signal Signal         Expression (Top) Hit BLAST E Value         Top Hit Acession No.         Top Hit Acession BLAST E Value         Top Hit Acession Source           22892         38472         0.62         0.00E+00 BE783272.1         EST_HUMAN	Exon SEQ ID ID NO:         ORF SEQ Signal Signal         Expression (Top) Hit BLASTE Value         Top Hit Acession No:         Top Hit Acession No:         Top Hit Acession Source Value         Top Hit Acession Source           22882         38472         0.52         0.0E+00 BE7832721         EST HUMAN           22892         38473         0.52         0.0E+00 BE7832721         EST HUMAN	Exon ORF SEQ ID ID NO:         Expression Signal Signal         Top Hit Accession Top Hit Accession Signal All Signal Signal All Signal Signal All Signal Signal All Signal All Signal All Signal Signal All Signal All Signal Sign	Exon ORF SEQ ID ID NO:         Expression ID NO:         Top Hit Acession Signal Signal         Top Hit Acession Top Hit Top Hit Acession Source No:         Top Hit Top Hit Acession Database Source No:           22892         36472         0.62         0.0E+00 BE783272.1         EST_HUMAN EST H	Exon SEQ ID ID NO:         ORF SEQ ID NO:         Expression Signal         (Top) Hit Top Hit Acession Value         Top Hit Acession No.         Top Hit Acession Source         Top Hit Acession Source           22882         36472         0.62         0.0E+00 BE783Z72.1         EST HUMAN           22802         36478         0.63         0.0E+00 W56029.1         EST HUMAN           22901         36486         0.63         0.0E+00 W56029.1         EST HUMAN           22901         36489         0.63         0.0E+00 W56029.1         EST HUMAN           22914         36489         0.46         0.0E+00 W56029.1         M5208054.1         NT	Exon NO:         ORF SEQ ID NO:         Expression Signal         (Top) Hit BLASTE Value         Top Hit Acession No.         Top Hit Acession Source Source         Top Hit Acession Source           22892         36472         0.62         0.0E+00 BE783272.1         EST_HUMAN           22801         36473         0.62         0.0E+00 BE783272.1         EST_HUMAN           22801         36486         0.63         0.0E+00 W66029.1         EST_HUMAN           22901         36486         0.63         0.0E+00 W66029.1         EST_HUMAN           22914         36496         0.63         0.0E+00 M56029.1         EST_HUMAN           22914         36496         0.63         0.0E+00 M56029.1         EST_HUMAN           22915         36500         1.04         0.0E+00 M5035856.1         NT	Exon NO:         ORF SEQ ID NO:         Expression Signal         (Top) Hit Top Hit Acession Signal         Top Hit Acession Top Hit Acession Signal         Top Hit Acession Palue         Top Hit Acession Source           22882         36472         0.62         0.0E+00 BE783772.1         EST_HUMAN           22891         36485         0.63         0.0E+00 BE783772.1         EST_HUMAN           22901         36485         0.63         0.0E+00 W56629.1         EST_HUMAN           22914         36489         0.63         0.0E+00 W56629.1         EST_HUMAN           22914         36499         0.46         0.0E+00 M56629.1         RT_HUMAN           22914         36500         1.04         0.0E+00 M563296.1         NT           22915         36500         1.04         0.0E+00 M563296.1         NT           22916         0.64         0.0E+00 M563296.1         NT	Exon ORF SEQ         Expression Signal         (Top) Hit Top Hit Acession Database         Top Hit Acession Database         Top Hit Acession Database           22892         36472         0.62         0.0E+00 BE783772.1         EST_HUMAN           22891         36485         0.63         0.0E+00 BE783772.1         EST_HUMAN           22891         36485         0.63         0.0E+00 W66029.1         EST_HUMAN           22891         36485         0.63         0.0E+00 W66029.1         EST_HUMAN           22891         36486         0.63         0.0E+00 W66029.1         EST_HUMAN           22891         36499         0.46         0.0E+00 M760059.1         EST_HUMAN           22914         36500         1.04         0.0E+00 M124780.1         EST_HUMAN           22816         0.64         0.0E+00 M124780.1         EST_HUMAN           22817         0.0E+00 MV600528.1         EST_HUMAN	Exon NO:         ORF SEQ SeQ ID ID NO:         Expression Signal         (Top) Hit BLASTE Value         Top Hit Acession No.         Top Hit Acession Source         Top Hit Acession Source           22892         38472         0.62         0.0E+00 BE783772.1         EST HUMAN           22801         36485         0.63         0.0E+00 W69829.1         EST HUMAN           22914         36486         0.63         0.0E+00 W69829.1         EST HUMAN           22916         36509         0.046         0.0E+00 W69829.1         EST HUMAN           22916         36500         0.06         0.0E+00 W69829.1         EST HUMAN           22916         36500         0.06         0.0E+00 W69829.1         EST HUMAN           22916         36506         0.06         0.0E+00 W69829.1         EST HUMAN           22916         36506         0.0E+00 ANSO658.1         RST HUMAN           22917         36506         0.0E+00 ANSO6258.1         EST HUMAN           22921         36506         0.0E+00 ANSO6258.1         RST HUMAN           22985         36506         0.0E+00 ANSO6258.1         NT	Exon NO:         ORF SEQ ID NO:         Expression Signal         (Top) Hit Top Hit Acession Signal         Top Hit Acession Top Hit Acession Signal         Top Hit Acession Value         Top Hit Acession Source         Top Hit Acession Source           22882         36472         0.62         0.0E+00 BE783272.1         EST HUMAN           22801         36485         0.62         0.0E+00 BE783272.1         EST HUMAN           22901         36486         0.63         0.0E+00 BE783272.1         EST HUMAN           22914         36489         0.63         0.0E+00 BE783272.1         EST HUMAN           22915         36500         0.46         0.0E+00 BE783272.1         EST HUMAN           22916         36500         1.04         0.0E+00 AF208054.1         NT           22916         36500         1.04         0.0E+00 AF208054.1         NT           22916         36500         1.04         0.0E+00 AF208058.1         NT           22921         36504         2.64         0.0E+00 AF000583.1         EST HUMAN           22921         36504         2.66         0.0E+00 AF000683.1         NT	Exon ORF SEQ ID NO:         Expression Signal ID NO:         Top Hit Acession Signal ID NO:         Cop Hit Seq Source Signal ID NO:         Expression Signal ID NO:         Top Hit Acession Database Source Source Source Source Source Source Source ID NO:         Top Hit Top Hit Acession Database Source Source Source Source Source Source Source ID NO:         Top Hit Acession 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     36486         0.63         0.0E+00 BE783272.1         EST HUMAN           22816         36500         1.04         0.0E+00 BE783272.1         EST HUMAN           22816         36500         1.04         0.0E+00 AF208064.1         NT           22816         36500         1.04         0.0E+00 AF208064.1         NT           22816         3650         1.04         0.0E+00 AF0060536.1         NT           22816         3650         2.64         0.0E+00 AF006053.1         NT           2282         3658         2.65         0.0E+00 AF006068.1         NT           22896         3658         2.69         0.0E+00 BE66320.1         NT	Exon ORF SEQ         Expression Similar SEQ ID         (Top) Hit Top Hit Acession ID Alabase Source Subscription (Top) Hit Top Hit Acession ID No.         Top Hit Top Hit Acession Database Source Subscription (Top) Hit Top Hit Acession ID No.         Top Hit Top Hit Acession Database Source Subscription (Top) Hit Top Hit Acession ID No.         Top Hit Top Hit 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        0.0E+00 ME6829.1         NT           22916         36500         1.04         0.0E+00 ME6829.1         NT           22917         36500         1.04         0.0E+00 ME6836.1         NT           22918         36504         2.69         0.0E+00 AV 500529.1         RST HUMAN           22918         36504         2.69         0.0E+00 AV 500529.1         NT           22918         36504         2.72         0.0E+00 AV 3683136.1         NT           22915         36608         1.26         0.0E+00 AV 3683136.1         RST HUMAN	Exon NO:         ORF SEQ ID NO:         Expression Signal         (Top) Hit PLASTE Value         Top Hit Acession Top Hit Acession         Top Hit Acession Database         Top Hit Database           22882         36472         0.62         0.0E+00 BE783272.1         EST HUMAN           22891         36485         0.63         0.0E+00 BE783272.1         EST HUMAN           22801         36486         0.63         0.0E+00 BE783272.1         EST HUMAN           22801         36486         0.63         0.0E+00 BE783272.1         EST HUMAN           22801         36486         0.63         0.0E+00 BE783272.1         EST HUMAN           22801         36500         1.04         0.0E+00 ME6029.1         EST HUMAN           22816         36500         1.04         0.0E+00 AF006529.1         EST HUMAN           22816         3650         1.04         0.0E+00 AF006529.1         IST HUMAN           22816         3650         1.04         0.0E+00 AF006083.1         INT           22816         3650         2.69         0.0E+00 AF006083.1         INT           22817         36586         2.69         0.0E+00 AF006083.1         INT           22817         36687         0.0E+00 BE63220.1         EST HUMAN	Exon SEQ ID         ORF SEQ ID         Expression ID HIT SEQ ID HIT Acession ID HIT SEQ ID NO.         Top HIT Acession ID Alabase ID NO.         Top HIT Acession ID Alabase ID NO.         Top HIT Acession ID Alabase ID NO.         Top HIT Acession ID Alabase ID NO.         Top HIT Acession ID Alabase ID NO.         Top HIT Acession ID Alabase ID NO.         Top HIT Acession ID Alabase ID Alabase ID NO.         Top HIT Acession ID Alabase ID Al	Exon         ORF SEQ         Expression         (Top) Hit Top Hit Acession Similar Sed ID No.         Top Hit Acession Succession ID No.         Top Hit Acession Succession ID No.         Top Hit Acession Succession ID No.         Top Hit Acession Succession ID No.         Top Hit Acession ID No.         Est Hulman ID No.         Top Hit Acession ID No.         Est Hulman ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Est Hulman ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acession ID No.         Top Hit Acessi	Exon NOTE SEQ ID NO	Exon ORF SEQ         Expression (Top) Hit Acession (Similar SEQ ID NO.         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			,				
Probe SEQ IO NO:	Exan ORF NO:	ORF SEQ EXE	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Тор Hit Descriptor
10169 2	23208	38800	6.57	0.0E+00	0.0E+00 BE388700.1	EST_HUMAN	601286351F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3613045 5'
ļ		36806	0.87	0.0E+00	0.0E+00 AW236269.1	EST HUMAN	xn72501.x1 NCI_CGAP_CML1 Homo sepiens oDNA clane IMAGE:2689977 3' similar to gb:X02152_cds1 L- LACTATE DEHYDROGENASE M CHAIN (HUMAN);
		36807	0.84	0.0E+00		EST_HUMAN	EST46740 Fetal kidney II Homo saplens cDNA 5' end
L		36819	0.69	0.0E+00	11427235 NT	NT	Homo sapiens Chediak-Higashi syndrome 1 (CHS1), mRNA
上		36834	0.94	0.0E+00	0.0E+00 AW964113.1	EST. HUMAN	EST376186 MAGE resequences, MAGH Homo sapiens cDNA
L	23258	36845	5.99	0.0E+00	0.0E+00 AU143673.1	EST_HUMAN	AU143673 Y78AA1 Homo sapiens cDNA clone Y78AA1002307 5
L		36846	68'9	0.0E+00		EST_HUMAN	AU143673 Y79AA1 Homo sapiens cDNA done Y79AA1002307 5
L		36849	3.31	0.0E+00	0.0E+00 AF072408.1	NT	Homo sapiens killer cell inhibitory receptor KIRCl gene, exons 2, 3, and 4
l		36851	275	0.0E+00	11421001 NT	LN L	Homo saplens HEF like Protein (HEFL), mRNA
1	23263	38852	276	0.0E+00	11421001 NT	Z	Homo sapiens HEF like Protein (HEFL), mRNA
L.		36894	3.07	0.0E+00	0.0E+00 AU138637.1	EST_HUMAN	AU136837 PLACE1 Homo sapiens cDNA done PLACE1004737 5
		36895	3.07	0.0E+00	0.0E+00 AU136637.1	EST HUMAN	AU136637 PLACE1 Homo capiens cDNA done PLACE1004737 5
10277 2		36909	.2	0.0E+00	0.0E+00 AJ295844.1	NT	Homo sapiens partial RANBP7 gene for RanBP7/Importin7 and partial ZNF143 gene
ı		36910	2	0.0E+00	0.0E+00 AJ295844.1	NT	Homo saplens partial RANBP7 gene for RanBP7/importin7 and partial ZNF143 gene
ı		36917	0.73	0.0E+00		EST_HUMAN	AV695712 GKC Homo sapiens cDNA clone GKCDXA07 5'
		36918	0.73	0.0E+00	0.0E+00 AV695712.1	EST HUMAN	AV695712 GKC Homo sapiens cDNA clone GKCDXA07 6
,		36925	0.72	0.0E+00	0.0E+00 AF072408.1	Ę	Homo sepiens killer cell inhibitory receptor KIRCI gene, exons 2, 3, and 4
1	23325	36928	2.42	0.0E+00		EST_HUMAN	zp97h11.r1 Stratagene muscle 837209 Homo sapiens cDNA clone IMAGE:628197 5
1		36959	0.76	0.0E+00		EST_HUMAN	2/3/101.r1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:503545.6
10317		36960	0.76	0.0E+00		EST_HUMAN	2/3/101.rd Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:303343 5
	23394	37005	1.61	0.0E+00	0.0E+00 AF179308.1	ΡN	Homo sapiens KIF4 (KIF4) mRNA, complete cds
		37048	0.99	0.0E+00		EST_HUMAN	601491565F1 NIH_MGC 69 Homo sapiens cDNA clone IMAGE:3893607 5
	23462	37057	5.34	0.0E+00	0.0E+00 BE730772.1	EST_HUMAN	601570712F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3845403 5
		37058	5.34	0.0E+00	0.0E+00 BE730772.1	EST_HUMAN	601570712F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3845403 5
1		37062	0.8	0.0E+00	0.0E+00 AU127403.1	EST_HUMAN	AU127403 NT2RP2 Homo sapiens cDNA clone NT2RP2001212 5
<u> </u>	L	37073	0.89	0.0E+00	0.0E+00 BE958511.1	EST_HUMAN	601645134F1 NIH_MGC_56 Home sapiens cDNA clone IMAGE:3830177 51
Į I	23467	37074	0.89	0.0E+00	0.0E+00 BE958511.1	EST_HUMAN	601645134F1 NIH_MGC_56 Homo sapiens cDNA clone IMAGE:3930177 5
10450	L	37094	0.48	0.0E+00	0.0E+00 BE897487.1	EST_HUMAN	601432317F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3917453 6
	23495	37107	0.91	0.0E+00	AA31162	EST_HUMAN	EST182353 Jurkat T-cells VI Homo sapiens cDNA 5 end
L		37108	0.55	0.0E+00	4758827 NT	. І	Homo sapiens neurexin III (NKXN3) mKNA
1 1		37121	0.64	0.0E+00	BE8911	EST HUMAN	601432228F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3917598 5
10475		37123	0.77	0.0E+00	11560151 NT	F	Homo sapiens hypothetical CZHZ zino finger protein FLUZZOU4 (FLUZZOU4), mrnvA
li		37130	1.56	0.0E+00	0.0E+00 AB029290.1	닐	Homo sapiens mXNA for ectin binding protein ABP620, complete cas

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			L				
Probe Exon ORF SEQ ID SEQ ID NO: Signel NO: Signel Value Source	ORF SEQ Expression (Top) Hit Top Hit Acession ID NO: Signal BLASTE No.	Most Similar  Expression (Top) Hit Top Hit Acession Signal BLAST E No.	Top Hit Acession No.		Top Datat. Sour	de de de	Top Hit Descriptor
23522 37131	37131 0.5 0.0E+00 BE304522.1	0.5 0.0E+00 BE304522.1	0.0E+00 BE304522.1		EST_HU	MAN	601105459F1 NIH_MGC_15 Hamo saplens cDNA clone IMAGE:2987918 5'
10487 23522 37132 0.5 0.0E+00 BE304522.1 EST_HUMAN	37132 0.5 0.0E+00 BE304522.1	0.5 0.0E+00 BE304522.1	0.0E+00 BE304522.1		EST_H		601105459F1 NIH_MGC_15 Homo sapiens cDNA clone IMAGE:2987918 5'
23529 37137	37137 5.8 0.0E+00 AB006590.1	5.8 0.0E+00 AB006590.1	0.0E+00 AB006590.1		μN		Homo sapiens mRNA for estrogen receptor beta, complete cds
23529 37138	37138 5.8 0.0E+00 AB006590.1	5.8 0.0E+00 AB006590.1	0.0E+00 AB006590.1		ΝŢ		Homo sapiens mRNA for estrogen receptor beta, complete cds
23537 37147 0.77 0.0E+00 AA704457.1	37147 0.77 0.0E+00 AA704457.1	0.77 0.0E+00 AA704457.1	Σ.	Σ.	EST	HUMAN	219b06.s1 Scares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA chore IMAGE:480707.3' similar to gb:M14123_cds1 RETROVIRUS-RELATED GAG POLYPROTEIN (HUMAN);
23539 37148 1.08 0.0E+00 M22921.1	37148 1.08 0.0E+00 M22921.1	1.08 0.0E+00 M22921.1	0.0E+00 M22921.1		Ę	FN	Human beta 1,4-galactosyl-transferase mRNA, complete cds
23541 37151 4.81 0.0E+00 BF340331.1	37151 4.81 0.0E+00 BF340331.1	4.81 0.0E+00 BF340331.1			EST	EST_HUMAN	602037045F1 NCI_CGAP_Brn64 Homo sapiens cDNA clone IMAGE:4184939 5
10506 23541 37152 4.81 0.0E+00 BF340331.1 EST	37152 4.81 0.0E+00 BF340331.1	4.81 0.0E+00 BF340331.1			EST	EST_HUMAN	602037045F1 NCI_CGAP_Bin64 Homo sapiens cDNA clone IMAGE;4184939 5'
23565 37172 0.59 0.0E+00 BE897149.1	37172 0.59 0.0E+00 BE897149.1	0.59 0.0E+00 BE897149.1	0.0E+00 BE897149.1		EST	EST_HUMAN	601439713F1 NIH_MGC_72 Hamo saplens cDNA clone IMAGE:3924578 5'
23566 37173 0.59 0.0E+00 BE897149.1	37173 0.59 0.0E+00 BE897149.1	0.59 0.0E+00 BE897149.1	0.0E+00 BE897149.1		EST	EST_HUMAN	601439713F1 NIH_MGC_72 Hamp septens cDNA clone IMAGE:3924578 5'
10595 23630 37237 1.07 0.0E+00 Al631818.1 EST	37237 1.07 0.0E+00 AIG31818.1	1.07 0.0E+00 AI631818.1	0.0E+00 AI631818.1		EST	EST_HUMAN	wa38e03.x1 NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:2300188 3' similar to TR:Q61204 Q61204 NOTCH2-LIKE ;
23630 37238 1 07 0 0E+00 A legalala 1	37238 1 0 0 E+00 AIR31818 1	1 07 0 05+00 4181818			U U	EST HIMAN	wassed3.x1 NCI_CGAP_Kld11 Hamo sapiens cDNA clone IMAGE:2300188 3' similar to TR:Q61204
0.0E+00 T03078.1	37252 1.64 0.0E+00 T03078.1	1.64 0.0E+00 T03078.1			EST	EST HUMAN	FB23A4 Fetal brain, Stratagene Homo saplens cDNA clone FB23A4 3'end
23672 37282 0.67 0.0E+00 AU122429.1	37282 0.67 0.0E+00 AU122429.1	0.67 0.0E+00 AU122429.1			EST	EST_HUMAN	AU122429 MAMMA1 Homo sepiens cDNA clone MAMMA1002368 6'
23678	37288 0.48 0.0E+00	0.48 0.0E+00	0.0E+00		호		Homo sapiens triple functional domain (PTPRF interacting) (TRIO), mRNA
23702 37312 2.22 0.0E+00 BF436218.1	37312 2.22 0.0E+00 BF436218.1	2.22 0.0E+00 BF436218.1	0.0E+00 BF436218.1		ESI		nab45e12.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sepiens cDNA clone IMAGE:32852713'
23703 1.71 0.0E+00 AV654765.1	1.71 0.0E+00 AV654765.1	0.0E+00 AV654765.1			ES	EST_HUMAN	AV654765 GLC Hamo sapiens cDNA clane GLCD2C07 3'
23722 37328 3.08 0.0E+00 AW617960.1	37328 3.08 0.0E+00.AW617960.1	3.08 0.0E+00 AW517960.1			ES	EST HUMAN	xu74b01.x1 NCI_CGAP_Kd8 Homo saplens cDNA done IMAGE.2807401.3' similar to gb:M89088 MOESIN (HUMAN);
0.0E+00 BE548213.1	37332 2.88 0.0E+00 BE548213.1	2.88 0.0E+00 BE548213.1			ES.	HUMAN	601078764F1 NIH_MGC_12 Homo sapiens cDNA clone IMAGE:3464703 5"
23742 37348	37348 0.82 0.0E+00	0.82 0.0E+00			ż		Homo sapiens hypothetical protein DKFZp761P1010 (DKFZp761P1010), mRNA
23768 37378 0.52 0.0E+00 X89893.1	37378 0.52 0.0E+00 X89893.1	0.52 0.0E+00 X89893.1			z		H. seplens mRNA for NK receptor (183 Acti)
23769 37379 3.35 0.0E+00 BE781742.1	37379 3.35 0.0E+00 BE781742.1	3.35 0.0E+00 BE781742.1			ESI	EST_HUMAN	801467419F1 NIH_MGC_87 Homo saplens cDNA clone IMAGE:3870700 6'
23791 37409 2.32 0.0E+00 BE082720.1	37409 2.32 0.0E+00[BE082720.1	2.32 0.0E+00[BE082720.1			EST	EST_HUMAN	RC2-BT0842-150200-012-d03 BT0642 Homo sepiens dDNA
23791 37410 2.32 0.0E+00 BE082720.1	37410 2,32 0.0E+00 BE082720.1	2.32 0.0E+00 BE082720.1			EST	Г	RC2-BT0642-150200-012-d03 BT0642 Homo sapiens cDNA
23797 37417 0.67 0.0E+00 Y08032.1	37417 0.67 0.0E+00 Y08032.1	0.67 0.0E+00 Y08032.1			눋	Г	Human endogenous retrovirus-K, LTR U5 and gag gene
23805 37428 0.77 0.0E+00 AI656890.1	37428 0.77 0.0E+00 AI656890.1	0.77 0.0E+00 AI656890.1			ES	EST_HUMAN	tt54e07.x1 NCI_CGAP_GC8 Homo sapiens cDNA clone IMAGE:2244812 3'
23812 37435 9.15 0.0E+00 BE743215.1	37435 9.15 0.0E+00 BE743215.1	9.15 0.0E+00 BE743215.1			S	EST_HUMAN	801573895F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3835198 5'
23812 37436 9.15 0.0E+00 BE743215.1	37436 9.15 0.0E+00 BE743215.1	0.0E+00 BE743215.1			SB	EST_HUMAN	601573895F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3835198 5'
23817 37439 0.63 0.0E+00 BE617655.1	37439 0.63 0.0E+00 BE617655.1	0.63 0.0E+00 BE617655.1			S		601441723T1 NIH_MGC_65 Home sapiens cDNA clone IMAGE:3845956 3'
23817 37440 0.63 0.0E+00 BE617655.1	37440 0.63 0.0E+00 BE617656.1	· 0.63 0.0E+00 BE617656.1			S	EST_HUMAN	60144172371 NIH_MGC_85 Homo sapiens cDNA clone IMAGE:3845956 3'

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	_	_	_	<b>—</b>	_	_	_	_	_	_					7		_	_	1000	۳	_	-	-		_		***		11:21	*****	-50-51	۳۳,
Top Hit Descriptor	Homo sapiens mRNA for estrogen receptor beta, complete cds	Homo saplens mRNA for estrogen receptor beta, complete cds	yporatio. H Sources breast 3NbHbst Homb sapiens outly done IMAGE:186138 3	Homo sapiens DNA for amylold precursor protein, complete cds	601308167F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3626128 5'	AU125996 NT2RM4 Hama sepiens cDNA clone NT2RM4002538 5'	AV711075 Cu Homo sapiens cDNA clone CuAAKG05 6	AV711075 Cu Homo sapiens cDNA clone CuAAKG05 5	RC3-ST0187-120200-015-a03 ST0197 Homo sapiens cDNA	EST375636 MAGE resequences, MAGH Homo sapiens cDNA	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA	wy61f09.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo capiens cDNA clone IMAGE:2553065 3' similar to TR:Q60566 Q60566 VDX;	TCAAP3D0917 Pediatric acule myelogenous leukemia cell (FAB M1) Baylor-HGSC project⊏TCAA Homo	יו פט לילטן פוטוט לינוס	wb28a12.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2306974 3' similar to contains element MSR1 MSR1 repetitive element ;	wb28a12.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2306974 3' similar to contains element	MSR1 MSR1 repetitive element;	601888704F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:4122649 5'	601451502F1 NIH_MGC_65 Hano saplens aDNA clone IMAGE:3855289 5'	601451502F1 NIH_MGC_65 Hamo saplens cDNA clone IMAGE:3855289 5'	Homo sapiens NOD2 protein (NOD2), mRNA	Homo sapiens NOD2 protein (NOD2), mRNA	UI-HF-BL0-acm-d-04-0-UI.r1 NIH_MGC_37 Homo saplens cDNA clone IMAGE:3059383 5'	Hamo saplens hypothetical protein FLJ20079 (FLJ20079), mRNA	Homo sapiens 5-hydroxydryptamine (serotonin) receptor 1E (HTR1E) mRNA	Homo sapiens 5-hydroxyfryptamine (serotonin) receptor 1E (HTR1E) mRNA	wu32b06.x1 Soares_Dieckgraafe_colon_NHCD Homo sapiens cDNA clone IMAGE:2521715 3'	601505204F2 NIH_MGC_71 Homo sepiens cDNA olone IMAGE:3906866 5'	801434522F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3919636 51	Homo saplens myosin, heavy polypeptide 2, skeletal muscle, adult (MYH2), mRNA	Homo sapiens myosin, heavy polypeptide 2, skeletal muscle, adult (MYH2), mRNA
Top Hit Datebase Source	L	LN L	EST HUMAN	Z	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST HUMAN	NT	FN	EST_HUMAN	NAMI IJ FOR	NAMOE TO S	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	LN	NT	EST_HUMAN	INT	TN	L NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	LN
Top Hit Acession No.	0.0E+00 AB006590.1	0.0E+00 AB006590.1	H39805.1	D87675.1	0.0E+00 BE392276.1	0.0E+00 AU125596.1	0.0E+00 AV711075.1	0.0E+00 AV711075.1	0.0E+00 AW813783.1	0.0E+00 AW963563.1	11431124 NT	11431124 NT	0.0E+00 AW057621.1	00.70	DE-243210.1	0.0E+00 AI652239.1		0.0E+00 AI652239.1	0.0E+00 BF306642.1	0.0E+00 BE872908.1	0.0E+00 BE872908.1	11545911	11545911 NT	0.0E+00 AW404795.1	11424B29 NT	4504536 NT	4504536 NT	0.0E+00 Al991827.1	0.0E+00 BE882109.1	0.0E+00 BE891630.1	N 6565368	TN 6595598
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.00	0.0E+00 H39805.1	0.0E+00 D87675.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05	00.1	0.05+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0€+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0.46	0.46	0.51	0.54	0.59	0.52	1.84	1.84	2.55	5.5	2.52	2.52	1.7	0	G.38	2.72		2.72	1.48	1.74	1.74	3.59	3.59	1.52	2.85	8.39	8.39	2.68	3.22	6.12	1.55	1.55
ORF SEQ ID NO:		١			37499	37518		37587		37595		37611			3/071	37622	L	37623	37628	37620			37638		37656		37658			37667		37669
Exen SEQ ID NO:	23819	- 1		23868		25886	23957	23957	23959	23968	23979	23979	23982	000	23968	23980		23990	23995	23998	23996	24003	24003	·	24022	1	24023	24024		24032	24034	24034
Probe SEQ ID NO:	10786	10786	10809	10835	10846	10863	10872	10872	10874	10882	10895	10895	10898	90007	10800	10907		10907	10912	10913	10913	10920	10920	10936	10940	10941	10941	10942	10946	10950	10952	10952

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Probe SEQ ID NO:	Exon SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
10965	24046	37680	22.14	L	0.0E+00 BE903304.1	EST_HUMAN	801674332F1 NIH_MGC_21 Homo sapiens ¢DNA clone IMAGE:3957343 5'
10988	1	32399	1.85		0.0E+00 AA195905.1	EST HUMAN	zp95b11.11 Stratagene muscle 937209 Homo sapiens cDNA clone IMAGE:627933 5' similar to gb:X03740 MYOSIN HEAVY CHAIN, SKELETAL MUSCLE (HUMAN);
10990	•		4.49	<u> </u>	0.0E+00 BE793498.1	EST_HUMAN	601588829F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3943015 6'
10998	1	l	2.4	0.0E+00	0.0E+00 BE729708.1	EST_HUMAN	601562864F1 NIH_MGC_20 Homo sepiens cDNA clone IMAGE:3832575 5'
10998			2.4	0.0E+00	0.0E+00 BE729706.1	EST_HUMAN	801662884F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3832575 5'
10999		37712	+		0.0E+00 AV727362.1	EST_HUMAN	AV727362 HTC Homo sapiens cDNA clone HTCAQH06 6'
10999	ı		11.66		0.0E+00 AV727362.1	EST_HUMAN	AV727362 HTC Homo sapiens cDNA clone HTCAQH06 5'
11003	ı	37718			0.0E+00 R17132.1	EST_HUMAN	yg09e09.r1 Sogres Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31674 5'
11003	Į.				0.0E+00 R17132.1	EST_HUMAN	yg09e09.r1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:31674 5'
11009	l .		2.62	0.0E+00	0.0E+00 AW139414.1	EST_HUMAN	UI-H-BI1-adq-e-08-0-UI.s1 NCI_CGAP_Sub3 Homo sapiens cDNA clone IMAGE:2717674 3'
11014	24093	37732	11.81	0.0E+00	0.0E+00 AW516055.1	EST HUMAN	xy04g10x1 NCI_CGAP_Lym12 Homo sapiens cDNA clone IMAGE:2852226 3′ similar to gb:M60854 40S RIBOSOMAL PROTEIN S18 (HUMAN);
11020					0.0E+00 AU135741.1	EST_HUMAN	AU136741 PLACE1 Homo sepiens aDNA done PLACE1002794 6
44000	<u> </u>		63.0			NAMI ILI FOR	hg13d02x1 Sogres_NR_T_GBC_S1 Home septens cDNA clone IMAGE:2945475 3' similar to contains pleament MSR4 renefitive plannent
11020	24103	١	2.00		AW Geograf.	ACIAIOL CO	
11026	24105	37742	2.68		0.0E+00 AW69333.1	EST HUMAN	hg13d02.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2345476 3' similar to contains element MSR1 repetitive element ; .
	ı			L			hg13d02x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2845475 3' similar to contains
11026	24105	37743	2.56		0.0E+00 AW 69333.1	EST_HUMAN	element MSR1 repetitive element;
11028	ı	37744	1.67	0.0E+00	0.0E+00 Z34897.1	IN	H.saplens mRNA for H1 histamine receptor
11029	ı	37745	2.76		0.0E+00 F13069.1	EST_HUMAN	HSC3IC031 normalized Infant brain cDNA Homo saplens cDNA clone c-3lc03
11037	24116				0.0E+00 D10083.1	LΝ	Homo sapiens RGH1 gene, retrovirus-like element
							xw66f01.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2832985 3' similar to gb:X17115 IG MU
11054	24131		1.71	0.0E+00	0.0E+00 AW338094.1	EST_HUMAN	CHAIN C REGION (HUMAN);
11055	l	37768	3.75		0.0E+00 AW451230.1	EST_HUMAN	UI-H-Bl3-aih-a-01-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2736849 3'
11055					0.0E+00 AW451230.1	EST_HUMAN	UI-H-BI3-alh-a-01-0-UI.s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMAGE:2736649 3'
11058				0.0E+00	4506632 NT	ΤN	Homo sapiens ribosomal protein L31 (RPL31) mRNA
11060	1	37771			0.0E+00 AB014567.1	TN	Homo sapiens mRNA for KIAA0667 protein, partial cds
11073	24148		1.92	_	0.0E+00 BE298449.1	EST_HUMAN	601119248F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3029219.5/
11087	ı	1	1.47		0.0E+00 AB011117.1	۲N	Homo sepiens mRNA for KIAA0646 protein, partial cds
11092	ı		1.39		0.0E+00 AA377505.1	EST_HUMAN	EST90347 Synovial sarcoma Homo sapiens cDNA 5' end similar to similar to LERK-2, placenta
11106	L.	37813			0.0E+00 BE792165.1	EST_HUMAN	601582046F1 NIH_MGC_7 Hamo saplens cDNA clone IMAGE:3936539 5'
11107	24179				0.0E+00 BF684061.1	EST_HUMAN	802141405F1 NIH_MGC_46 Home sapiens cDNA clone IMAGE:4302432 51

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Top Hit Descriptor	601186342F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3544259 5'	AU118386 HEMBA1 Homo saplens cDNA clone HEMBA1003486 5'	xn72b01.x1 NC _CGAP_CML1 Homo sepiens cDNA done IMAGE:2699977 3' similar to gb:X02152_cds1 L- LACTATE DEHYDROGENASE M CHAIN (HUMAN);	qf43c03.x1 Soares_testts_NHT Homo sapiens cDNA clone iMAGE:1752772.3'	qf43c03.x1 Soares_testis_NHT Homo sepiens cDNA clane IMAGE:1752772.3'	QV4-ST0234-121199-032-b05 ST0234 Homo sepiens cDNA	AU116908 HEMBA1 Homo sapiens cDNA clone HEMBA1000255 5	Homo saplens Insulin receptor (INSR), mRNA	qv95c12.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:1988334 3' similer to TR:Q14673 Q14673 KiAA0164 PROTEIN.;	qv95c12.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:1989334 3' similar to TR:Q14673 Q14673	KIAA0164 PKOLEIN.	60203/014F1 NCI_CGAF_Bm64 Homo sapiens cDNA clone IMAGE:4184979 6	601148357F1 NIH_MGC_19 Hamo saplens cDNA clone IMAGE:3163310 5'	Homo sapiens mRNA for KIAA1117 protein, partial cds	Homo saplens mRNA for KIAA0463 protein, partial cds	Human protein kinase C substrate 80K-H (PRKCSH) gene, exon 15-17	RC1-FT0134-170700-012407 FT0134 Homo sapiens cDNA	RC1-FT0134-170700-012-107 FT0134 Homo sapiens cDNA	ob32e07,s1 NCI_CGAP_Kld5 Homo sapiens cDNA clone IMAGE:13254123' similar to contains element	MSK1 repetitive element ;	Homo sapiens signaling lymphocytic activation molecule (SLAM) gene, exon 2	601192748F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3536867 5'	601192748F1 NIH MGC_7 Hamo sapiens cDNA clone IMAGE:3536867 5'	C05089 Human heart cDNA (YNakamura) Homo sapiens cDNA clone \$NHC4817	oa56h01.r1 NCI_CGAP_GCB1 Homo saplens cDNA clone IMAGE:1309009 5	oa56h01.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1309009 5	EST00596 Fetal brain, Stratagene (cat#936206) Homo sepiens cDNA clone HFBCC26	EST00596 Fetal brain, Stratagene (cat#936206) Homo sapiens cDNA clone HFBCC26	QV2-HT0698-020800-295-d07 HT0698 Homo sapiens cDNA	DKFZp761J2116_r1 761 (synonym: hamy2) Homo saplens cDNA clone DKFZp761J2116 5	601336530F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3690390 5'	AU116988 HEMBA1 Homo sapiens cDNA clone HEMBA1000424 5'
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST HUMAN	Г	ŀ	EST_HUMAN	EST_HUMAN		EST_HUMAN			7	T HUMAN	-			Г	EST_HUMAN		HOMAN	ヿ				EST_HUMAN			EST_HUMAN				EST_HUMAN
Top Hit Acession No.	0.0E+00 BE269288.1	0.0E+00 AU118386.1	0.0E+00 AW236269.1	0.0E+00 AI149809.1	0.0E+00 AI149809.1	0.0E+00 AW391937.1	0.0E+00 AU116908.1	11424726 NT	0.0E+00 AI367350.1		0.0E+00 Al367350.1	0.0E+00 BF340308.1	0.0E+00 BE261209.1	0.0E+00 AB029040.1	0.0E+00 AB007932.1		0.0E+00 BE773036.1	0.0E+00 BE773036.1				0.0E+00 BE266478.1	0.0E+00 BE266478.1	C05089.1	0.0E+00 AA746375.1	0.0E+00 AA746375:1	J78448.1	178448.1	0.0E+00 BF353625.1			0.0E+00 AU116988.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0=+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U50326.1	0.0E+00	0.0E+00	i i	0.0E+00.0	0.0E+00	0.0E+00	0.0E+00	0.0E+00 C05089.1	0.0E+00	0.0E+00	0.0E+00 M78448.1	0.0E+00 M78448.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	1,45	7.93	1.81	5.71	5.71	2.53	11.83	9.67	2.14		2.14	1.63	13.91	2.19	1.51	3.89	2.43	2.43	1	51.22	2.81	1.71	1.71	4.9	21	2.1	2.69	2.69	1.76	6.5	1.86	6.05
ORF SEQ ID NO:		37816		37820	37821	37822		37827	37828		37829	3/835	37837	37843	37846	37850	37855	37856		37879	37890	37903	37904	37906	37914	37915	37926	37927	37930	37931		37942
Exan SEQ ID NO:	24180	24182	24183	1	ı	l	24199	24202	24204	, 00, 0	24204	24709	24211	24216	24219	24222	24226	24226	0,0	24240	24255	24268	24268	24270	24277				24290	24291	24303	24305
Probe SEQ ID NO:	11108	11110	1111	11116	11116	11117	11127	11130	11132	,	11132	1113/	11139	11144	11147	11151	11155	11155		111//	11186	11199	11199	11201	11208	11208	11218	11218	11221	11222	11234	11236

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Γ		П			П		П	П	П		٦		П	П	٦		$\neg$	Z	Z -	« <sub>شب</sub> ه ۱ <sub>س</sub> ه Z	,		"	İ	4.0	ED 1
	Top Hit Descriptor	AV693656 GKC Homo sapiens aDNA clone GKCCNC03 5'	L3-NT0104-200500-143-A07 NT0104 Hamo saplens cDNA	PMO-HT0645-060500-002-E05 HT0645 Homo sapiens cDNA	PMO-HT0845-060500-002-E05 HT0845 Homo sapiens cDNA	AV701152 ADA Homo saplens cDNA clone ADAAAD06 5'	601439092F1 NIH_MGC_72 Homo saplens cDNA clone IMAGE:3924142 6'	UI-HF-BN0-akg-d-02-0-UI.r1 NIH MGC_50 Homo sapiens cDNA clone IMAGE:3077019 5'	UI-HF-BNO-akg-d-02-0-UI.r1 NIH_MGC_60 Hama sepiens aDNA alone IMAGE:3077019 6'	bb78c04.71 NiH_MGC_10 Homo sepiens cDNA dane IMAGE:3048486 5' similer to gb:Y00345_cds1 POLYADENYLATE-BINDING PROTEIN (HUMAN); gb:X65653 M.musculus mRNA for poly(A) binding	protein (MOUSE);	WR4-ST0118-041099-010-A12 ST0118 Homo saplens cDNA	MR4-ST0118-041090-010-A12 ST0118 Homo saplens cDNA	601440446F1 NIH_MGC_72 Homo saplens cDNA clone IMAGE:3925403 5'	ao86g11.x1 Schiller meningloma Homo sapiens cDNA clone IMAGE:19528043'	ao86g11.x1 Schiller meningioma Homo sapiens cDNA cione IMAGE:1952804 3'	DKFZp434L0120_r1 434 (synonym: htss3) Homo sapiens cDNA clone DKFZp434L0120 5'	ou61d04.x1 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGE:1632295 3' stmfer to SW:LRP1_HUMAN Q07954 LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN 1 PRECURSOR ;	ou81d04.x1 NCI_CGAP_Bx2 Homo sapiens cDNA clone IMAGE:1632295 3' similar to SW:LRP1_HUMAN Q07954 LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN 1 PRECURSOR;	ou61d04.x1 NCI_CGAP_Brz Home sapiens cDNA clone IMAGE:1632295 3' similar to SW:LRP1_HUMAN Q07954 LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN 1 PRECURSOR ;	Homo sepiens neurexin III (NRXN3) mRNA	601870902F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4101433 5'	UI-H-BI2-age-h-01-0-UI.s1 NCI_CGAP_Sub4 Homo sapiens cDNA cbne IMAGE:27243123'	Homo capiens mRNA for KIAA0717 protein, partial cds	Homo sapiens mRNA for KIAA0717 protein, partial cds	bao4d07.y1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2823373 5' similar to TR:O76022 O76022 E1B- RECOA A SSOCIATED DEOTEIN
	Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN	TN	NT	- A 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Top Hit Acession No.	0.0E+00 AV693856.1	0.0E+00 BF366553.1	0.0E+00 BE182360.1	0.0E+00 BE182360.1	0.0E+00 AV701152.1	0.0E+00 BE896423.1	0.0E+00 AW500307.1	0.0E+00 AW500307.1		0.0E+00 BE018293.1	0.0E+00 AW387766.1	0.0E+00 AW387766.1		0.0E+00 AI459545.1	0.0E+00 A1469545.1	0.0E+00 AL042278.1	0.0E+00 Al073917.1	0.0E+00 AI073917.1	0.0E+00 AI073917.1	58827	0.0E+00 BF206561.1	0.0E+00 AW207734.1	0.0E+00 AB018260.1	0.0E+00 AB018260.1	200000000000000000000000000000000000000
	Most Similar (Top) Hit BLAST E Value	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00			0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	l	0.0E+00	0.0E+00	00.10.0
	Expression Signal	1.75	2.97	2.4	2.4	1.51	3.02	1.83	1.83		2.49	1.45	1.45	3.23	2.24	2.24	1.89	1.37	1.37	1.37	3.8	24.41	11.85	3.93	3.93	6
ľ	ORF SEQ ID NO:	37959		37994			38011	38019	38020		38023		38059		38073	38074	38087	38112	38113	38114	L			38141	38142	17.75
	SED D	24319	L		1	ļ.	24370	L _			24378	L	L	24415	24417	24417	24430	24451	24451	2461	L	L	L		24477	ı
	Probe SEQ ID NO:	11250	11260	11288	11288	11290	11306	11311	11311		11314	11345	11345	11353	11355	11355	11369	11390	11390	11390	11404	11405	11411	11418	11416	2,7,7

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Table 4
Single Exon Probes Expressed in Placenta

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Probe E SEQ ID SI NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
11418	24479	38145	2.63	0.0E+00	0.0E+00 BE206846.1	EST_HUMAN	ba04d07.yl NIH_MGC_7 Homo sapiens cDNA done IMAGE:2823373 5' similar to TR:078022 076022 E1B- 56KDA-ASSOCIATED PROTEIN.
11429	24490	38155	2.37	0.0E+00	11526409 NT	Į,	Homo sapiens KIAA0426 gene product (KIAA0426), mRNA
11438	24499	38166	1.68	0.0E+00	0.0E+00 AI075915.1	EST_HUMAN	ov46g07.x1 Sourse, testis. NHT Homo sapiens cDNA done IMAGE:1640412.3' similar to TR:Q14607 Q14607 EPIDIDYMIS-SPECIFIC GENE PRODUCT, ALPHA.;
11445	24506	38172	1.73	0.0E+00	11024711 NT	N	Homo sapiens myosin, heavy polypeptide 4, skeletal muscle (MYH4), mRNA
	24509	38178	1.98	0.0E+00	0.0E+00 BF093687.1	EST_HUMAN	QV0-UM0091-120900-385-b12 UM0091 Homo sapiens cDNA
11448	20710	34189	1.94	0.0E+00	0.0E+00 L32832.1	LZ	Homo sapiens zinc finger homeodomain protein (ATBF1-A) mRNA, complete cds
	24512	38178		0.0E+00	0.0E+00 BE148076.1	EST_HUMAN	RC3-HT0230-040500-110-h04 HT0230 Homo saplens cDNA
11452	24512	38179	4.61	0.0E+00	0.0E+00 BE148076.1	EST HUMAN	RC3-HT0230-040500-110-h04 HT0230 Homo sapiens cDNA
11475	24534	38204	1.66	0.0E+00	0.0E+00 AW 673469.1	EST_HUMAN	ba54d08.y3 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:2900367 6' similar to TR:O60275 O60275 KIAA0522 PROTEIN ;
11475	24534	38205	39:1	0.0E+00	0.0E+00 AW 673469.1	EST_HUMAN	ba54d08.y3 NIH_MGC_10 Homo sepiens cDNA clone IMAGE:2900367 5' similar to TR:060275 080275 KIAA0522 PROTEIN;
11480	24549	38223	4.84	0.0E+00	0.0E+00 BF507876.1	EST_HUMAN	UI-H-BI4-ack-b-10-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens cDNA clone IMAGE:3085026 3'
	24549	38224	4.84	0.0E+00	0.0E+00 BF507876.1	EST_HUMAN	UI-H-BI4-ack-b-10-0-UI.s1 NCI_CGAP_Sub8 Homo sepiens cDNA clone IMAGE:3085026 3'
	24554	38229	4.65	0.0E+00	0.0E+00 AU 135170.1	EST_HUMAN	AU135170 PLACE1 Homo sapiens cDNA clone PLACE1001381 5'
$\Box$	24559	38234	2.07	0.0E+00		EST_HUMAN	602132459F1 NIH_MGC_81 Homo sapiens cDNA done IMAGE:4271630 5'
	24559	38235	2.07	0.0E+00		EST_HUMAN	602132459F1 NIH_MGC_81 Homo sapiens cDNA done IMAGE.4271630 5'
	24561	38238	4.06	0.0E+00		EST HUMAN	601486828F1 NIH_MGC_69 Homo saplens cDNA done IMAGE:3889207 5'
	24581	38239	4.06	0.0E+00	0.0E+00 BE876401.1	EST_HUMAN	601486828F1 NIH_MGC_69 Homo sapiens cDNA done IMAGE:3889207 61
1	24569	38246	1.61	0.0E+00	0.0E+00 D87882.1	NT	Human mRNA for KIAA0241 gene, partial cds
11518	24573		3.87	0.0E+00	0.0E+00 BF240536.1	EST_HUMAN	601875630F1 NIH_MGC_55 Homo saplens cDNA done IMAGE:4099710 5'
Ш	24587	38262	1.81	0.0E+00	0.0E+00 AB037737.1	NT	Homo sapiens mRNA for KIAA1316 protein, partial cds
L_I	24687	38263	1.81	0.0E+00	0.0E+00 AB037737.1	NT	Homo saplens mRNA for KIAA1316 protein, partial cds
	24591	38266	3.09	0.0E+00	11430868 NT	TN	Homo saplens retinoblastoma-like 2 (p130) (RBL2), mRNA
11536	24591	38287	3.09	0.0E+00	11430868 NT	LZ	Homo saplens retinoblastome-like 2 (p130) (RBL2), mRNA
	24608	38287	6.13	0.0E+00	4503544 NT	NT	Homo sapiens eukaryotic translation Initiation factor 6A (EIF5A) mRNA
	24615	38294	2.06	0.0E+00	0.0E+00 BF576267.1	EST_HUMAN	602134132F1 NIH_MGC_81 Homo sapiens cDNA done IMAGE:4289502 5'
	24617	38297	3.53	0.0E+00	0.0E+00 AW328173.1	EST_HUMAN	dr04g05.x1 NIH_MGC_3 Homo sapiens cDNA clone IMAGE:2847177 5
11567	24622		42.5	0.0E+00	0.0E+00 M55083.1	TN	Human gamma actin-ilke pseudogene, complete cds
11571	24626	38305	1.75	0.0E+00	0.0E+00 Al660968.1	EST_HUMAN	wf20e11.x1 Soares_Dieckgraefe_colon_NHUC Homo sapiens cDNA clone IMAGE:2351180 3' similar to gb::M87789 IG GAMMA-1 CHAIN C REGION (HUMAN);
	24629	38307	3.37	0.0E+00	0.0E+00 BF306996.1	Ţ	801889823F1 NIH_MGC_17 Home saplens cDNA clone IMAGE:4123948 5'

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Most Similar  Expression (Top) Hit Top Hit Acession Top Hit Signal BLASTE No. Squrce	3.37 0.0E+00 BF306996.1   EST_HUMAN	T_HUMAN	2.32 0.0E+00 U36264.1  NT	2.32 0.0E+00 U36284.1 NT	BE897051.1   EST_HUMAN	0.0E+00 4503786 NT	0.0E+00 8923698 NT	0.0E+00 BF207662.1 [EST_HUMAN	38407 4.53 0.0E+00 BE206846.1 EST HUMAN 56KDA-ASSOCIATED PROTEIN.;	4.53 0.0E+00 BE206846.1 EST_HUMAN.	3.59 0.0E+00 AW763028.1 EST_HUMAN	3.01 0.0E+00 AA558707.1 EST HUMAN	0.0E+00 A1934954.1 EST_HUMAN	7.51 0.0E+00 AW327895.1 EST_HUMAN	38435 1.78 0.0E+00 AW 292776.1 EST HUMAN   UI-H-BWO-eij-d-07-0-UI.s1 NG_CGAP_SUB6 Homo saplens cDNA clone IMAGE:2729509 3	1.93 0.0E+00 4758827 NT			1.79 0.0E+00 BE965909.2   EST_HUMAN	3.81 0.0E+00 BE185658.1 EST_HUMAN		7.19 0.0E+00 AL046540.1 EST_HUMAN	7.19 0.0E+00 AL046540.1 . EST_HUMAN	38395 10.19 0.0E+00 AI923116.1 EST HUMAN   RECEPTOR (HUMAN);	4.47 0.0E+00 AA760913.1	4.47 0.0E+00 AA760913.1 EST_HUMAN	2.21 0.0E+00 BE910548.1
ORF SEQ D NO:	38308	38315	38338	38339		-			_				31562	38416	38435	37522				38371		38384	38386				П
SEQU NO:	74 24629	31 24635	L	L	L	24660	_	1	36 24716	ľ	38 24718	ı	┺	L	L	71 23899		L		31 24580		96 24693	96 24893		1	1	1 1
Probe SEQ (D NO:	11574	11681	. 11601	11601	11606	11607	11621	11623	11636	1163	11638	11643	11644	11845	116	11671	11677	11680	11680	11681	11682	11696	11696	11708	11708	11708	11713

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			_	_	_	_	_		_	-		_	_	_	_	_			_	-		_		$\overline{}$	_	_	_	_			_
Top Hit Descriptor	7t27t12.x1 NCI_CGAP_CLL1 Homo sapiers cDNA done IMAGE:3295919 3' similar to TR:000409 000409 CHECKPOINT SUPPRESSOR 1.;	b66b09.XI NO_CGAP_Ut1 Homo sepiens dDNA clone IMAGE:2274521 3' similar to gb:M55542 INTERFERON-INDUCED GUANYLATE-BINDING PROTEIN 1 (HUMAN);	601279335F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3611144 5'	601279335F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3611144 5'	AV767420 BM Hamo sepiens cDNA clone BMFAGH03 5'	DKFZp564C187_r1 564 (synonym: hfbr2) Homo sapiens cDNA clone DKFZp564C187 5'	Human oxytocinase variant 2 mRNA, complete cds	601509139F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3910833 6'	Human endogenous retrovirus type K (HERV-K), gag, pol and env genes	Homo sapiens polycystic kidney disease-associated protein (PKD1) gene, complete cds	Homo sepiens polyoystic kidney disease-associated protein (PKD1) gene, complete cds	AU138211 PLACE1 Hamo sapiens cDNA clone PLACE1008077 5'	601441096F1 NIH_MGC_72 Hamo sapiens cDNA clone IMAGE:3916270 5'	601572186T1 NIH_MGC_55 Homo sapiens cDNA clone IMAGE:3839012 3'	601572186T1 NIH_MGC_55 Homo sepiens cDNA clone IMAGE:3839012 3'	AU141882 THYRO1 Homa saplens cDNA clane THYRO1001398 5'	AU141882 THYRO1 Homo sapiens cDNA clone THYRO1001398 5'	wz91h01.x1 NCI_CGAP_Brn26 Homo sapiens cDNA clone IMAGE:2566225 3' similar to WP:F53H10.2 CE11040 ZINC FINGER, C2H2 TYPE ;	7h22b10,x1 NCI_CGAP_Co16 Homo saplens cDNA clone IMAGE:3316699 3' similar to TR:Q13458 Q13458	TRIO.;	C06264 Human pancreatic islet Homo saplens cDNA similar to insulin receptor	601564180F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3833730 5'	180a10.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:2147802.3' similar to	1803/WOLD PROLACTIVE RECEPTION TITE OF THE CONSOL (HOWARD),	INVACATION OF A LANGUAGE TO THE CONTRACTION OF THE CONTRACTION OF THE CONT	MK4-510/18-26/1090-012-b03 510/18 Homo sapiens cDNA	MR3-SN0010-310300-107-h03 SN0010 Homo sapiens cDNA	Homo sapiens KIAA0247 gene product (KIAA0247), mRNA	Hamo sapiens KIAA0247 gene product (KIAA0247), mRNA	Human beta-prime-adaptin (BAM22) gene, exon 5	601237691F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3609623 5'
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	TN	EST_HUMAN	TN	LN	FZ	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	1	EST HOMAIN	NICH TOTAL	EST HUMAN	EST_HUMAN	LN	INT	TN	EST_HUMAN
Top Hit Acession No.	0.0E+00 BE676347.1	0.0E+00 AI683358.1	0.0E+00 BE615666.1	0.0E+00 BE615688.1	0.0E+00 AV757420.1	0.0E+00 AL037746.1	0.0E+00 U62769.1	0.0E+00 BE883386.1	0.0E+00 Y18890.1	L39891.1	0,0E+00 L39891.1	0.0E+00 AU138211.1	0.0E+00 BE622317.1	0.0E+00 BE748899.1	0.0E+00 BE748899.1	0.0E+00 AU141882.1	0.0E+00 AU141882.1	0.0E+00 AW006022.1		0.0E+00 BF00233.1	0.0E+00 C06264.1	0.0E+00 BE727811.1	, 0,000,71	0.0E+00 A14/2010.1	AW30770.1	0.0E+00 AW387776.1	0.0E+00 AW863777.1	11435244	11435244 NT	0.0E+00 U36253.1	0.0E+00 BE379254.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 L39891.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	00.00	0.0=+00	20.0	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	11.64	1.47	3.13	3.13	1.59	7.33	4.2	1.33	1.75	3.69	3.59	2.03	6.43	17.72	17.72	4.58	4.58	2.7		2.73	1.32	1.56	0	2.30	4.0	2.84	1.8	3.67	3.67	4.38	26.74
ORF SEQ ID NO:	37533	37535	37537	37538		37550		37557	38454	38455	38456	38470	38485	38512	38513	38527	38528	38531		38537	38548		,,,,,,	38300		38564		i	38590		38600
Exon SEQ ID NO:	23909	23911	23913	23913			23926		24759	24761	24761	24774	24787	24822	24822	24834	24834	24837		25871	24852	24856		24800				24889	24889		24898
Probe SEQ ID NO:	11723	11725	11727	11727	11734	11739	11740	11745	11766	11769	11769	11784	11797	11833	11833	11845	11845	11848		11853	11864	11868	74070	11070	0/01	11878	11889	11901	11901	11907	11911

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Onlight Living Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods III I took Light Goods II I	Top Hit Descriptor	601237691F1 NIH_MGC_44 Homo saplens cDNA clone IMAGE:3609623 5'	UI-HF-BN0-aki-b-03-0-UI.r1 NIH_MGC_60 Homo sapiens cDNA clone IMAGE;3077332 5	601590588F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3944708 5'	601491821F1 NIH_MGC_69 Homo saplens cDNA clone IMAGE:3894220 5	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Homo sapiens neurexin III (NRXN3) mRNA	Homo saplens neurexin III (NRXN3) mRNA	Homo sapiens glutathione transferase zeta 1 (GSTZ1) gene, exons 6 and 7	601299403F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3629544 5'	MR6-HT0241-150500-011-f02 HT0241 Homo sapiens cDNA	Homo sapiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively epiloed	Homo saplens calclum channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively	paliced	Human gene for dihydrolipoamide succinytransferase, complete cds (exon 1-15)	Human gene for dihydrolipoamide succinytransferase, complete cds (exon 1-15)	602165722F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4296725 5	602155722F1 NIH_MGC_83 Homo saplens dDNA clone IMAGE:4286725 5'	AU132840 NT2RP4 Homo sapiens cDNA clone NT2RP4000929 6'	601876357F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3958935 5	601897524F1 NIH_MGC_19 Homo saplens cDNA clone IMAGE:412/069 5'	601897524F1 NIH_MGC_19 Homo saplens cDNA clone IMAGE:4127069 5	Human lambda-Immunoglobulin constant region complex (germline)	Human lambda-Immunoglobulin constant region complex (germline)	601498553F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3900396 5'	Human endogenous retrovirus, complete genome	601880634F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:4131418 5'	RC4-NN0025-120600-016-b07 NN0025 Hamo saplens cDNA	RC4-NN0025-120600-016-b07 NN0026 Homo sepiens cDNA	601177407F1 NIH_MGC_17 Homo sapiens cDNA done IMAGE:3532868 5'	601576625F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3837222 5'	601576525F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3837222 5	601113009F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3353378 5	601113009F1 NIH_MGC_16 Homo sapiens cDNA done IMAGE:3353378 5
2001 1100	Top Hit Database Source	EST_HUMAN 6	EST_HUMAN		EST_HUMAN 6				INT TN		EST HUMAN A	L L		NT PA	1 · LN	1 . IN			EST_HUMAN /			EST_HUMAN 6			EST HUMAN (			EST HUMAN		EST_HUMAN (		П	╗	EST_HUMAN
5	Top Hit Acession No.	0.0E+00 BE379254.1	0.0E+00 AW 500056.1	0.0E+00 BE794768.1	0.0E+00 BE879633.1	0.0E+00 M60676.1	4758827 NT	4758827 NT	0.0E+00 AF053543.1	0.0E+00 BE409993.1	0.0E+00 BE1'48650.1	0.0E+00 AF223391.1		0.0E+00 AF223391.1	0.0E+00 D26535.1	0.0E+00 D26535.1	0.0E+00 BF691641.1	0.0E+00 BF681641.1	0.0E+00 AU132940.1	0.0E+00 BE903372.1	0.0E+00 BF312652.1	0.0E+00 BF312552.1	0.0E+00 X51755.1	0.0E+00 X51755.1	0.0E+00 BE906402.1	35487	0.0E+00 BF309120.1		0.0E+00 BE698861.1	0.0E+00 BE297175.1		0.0E+00 BE744311.1	0.0E+00 BE257612.1	0.0E+00 BE257612.1
1	Most Simfler (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	26.74	4.87	2.05	65.18	1.8	1.38	1.38	1.88	7.29	222	2.89		2.89	1.48	1.48	11.38	11.38	1.79	4.99	1.56	1.58	3.4	3.4	1.96	1.46	8.57	2.37	2.37	96'09	1.42	1.42	20.2	202
	ORF SEQ ID NO:	38601	38606	38621		38623	38629	38630	38635	38642	38643	38644		38645	31831	31832	38647	38648	38655		38671	38672		38676		38700		38713	38714	38717	38733		38741	1
	Exon SEQ ID NO:	24898	24903	24918	ı	١.	24827	24927	l _	24939		24941	•	24941	18785	18785	24943	24943	24949	L	24968	24968	ļ	24971	ŀ	L	25872	l	25012	25015	25027	Ŀ	П	25035
	Probe SEQ ID NO:	11911	11917	11932	11834	11835	11941	11941	11946	11953	11954	11955		11966	11956	11956	11958	11958	11964	11967	11983	11983	11986	11986	11998	12013	12028	12029	12029	12032	12046	12048	12054	12054

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	_	_	_		_	_	_	_	_
Top Hit Descriptor	Homo sapiens DNA for Human P2XM, complete cds	Homo saplens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	UI-HF-BN0-aly-g-08-0-UI.r1 NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3081399 5	Human endogenous retrovirus pHE.1 (ERV9)	Homo saplens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoproteIn-related protein 2 (LRP2), mRNA	Homo saplens chromosome 12 open reading frame 3 (C12ORE3) mRNA
Top Hit Database Source	LN	F		FZ	EST_HUMAN	TN	HN	LN	ΗZ
lost Similar (Top) Hit Acession BLAST E No.	0.0E+00 AB002059.1	7657020 NT		0.0E+00[AB026898.1	0.0E+00 AW505176.1	0.0E+00 X57147.1	G806918 NT	G806918 NT	TN ANGRAM NT
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00				0.0E+00	00+30:0	00+30'0	004800
Expression Signal	1.4	3.11		5.96	1.16	1.51	1.37	1.37	1 20
ORF SEQ ID NO:							29151	29162	27402
Probe Exon SEQ ID SEQ ID NO: NO:	25728	25731		25740	26207	25774	16135	16135	11315
Probe SEQ ID NO:	13116	13119		13140	13151	13190	13209	13209	13245

CLAIMS

- 1. A spatially-addressable set of single exon nucleic acid probes for measuring gene expression in a sample derived
- from human placenta comprising a plurality single exon nucleic probes, said probes comprising any one of the nucleotide sequences set out in SEQ ID NOs: 1 13,232 or a complementary sequence, or a portion of such a sequence.
- 10 2. A spatially-addressable set of single exon nucleic acid probes as claimed in claim 1 wherein each of said plurality of probes is separately and addressably amplifiable.
- 3. A spatially-addressable set of single exon nucleic acid probes as claimed in claim 1 wherein each of said plurality of probes is separately and addressably isolatable from said plurality.
- 4. A spatially-addressable set of single exon nucleic acid 20 probes as claimed in any of claims 1 to 3 wherein said probes comprise any one of the nucleotide sequences set out in SEQ ID NOS.: 13,233 - 26,232.
- 5. A spatially-addressable set of single exon nucleic acid 25 probes as claimed in any of claims 1 to 4, wherein each of said plurality of probes is amplifiable using at least one common primer.
- 6. A spatially-addressable set of single exon nucleic acid 30 probes as claimed in any of claims 1 to 5 wherein the set comprises between 50 - 20,000 single exon nucleic acid probes.
- 7. A spatially-addressable set of single exon nucleic acid probes as claimed in any of claims 1 to 6, wherein the

average length of the single exon nucleic acid probes is between 200 and 500 bp.

- 8. A spatially-addressable set of single exon nucleic acid 5 probes as claimed in any of claims 1 to 7, wherein at least 50% of said single exon nucleic acid probes lack prokaryotic and bacteriophage vector sequence.
- 9. A spatially-addressable set of single exon nucleic acid 10 probes as claimed in any of claims 1 to 8, wherein at least 50% of said single exon nucleic acid probes lack homopolymeric stretches of A or T.
- 10. A spatially-addressable set of single exon nucleic acid probes as claimed in any of claims 1 - 9 characterised in that said set of probes is addressably disposed upon a substrate.
- 11. A spatially-addressable set of single exon nucleic acid 20 probes as claimed in claim 10 wherein said substrate is selected from glass, amorphous silicon, crystalline silicon and plastic.
- 12. A microarray comprising a spatially addressable set of single exon nucleic acid probes as claimed in any of claims 1 11.
- 13. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human placenta
  30 comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 1 13,232 or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid molecule expressed in the human placenta.

35

14. A single exen nucleic acid probe as claimed in claim 13 comprising a nucleotide sequence as set out in any of SEQ ID NOs.: 13,233 - 26,232 or a complementary sequence or a fragment thereof.

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- 15. A single exon nucleic acid probe for measuring human gene expression in a sample derived from human placenta which is a nucleic acid molecule having a sequence encoding a peptide comprising a peptide sequence as set out in any of SEQ ID NOs.: 26,233 38,837, or a complementary sequence or a fragment thereof wherein said probe hybridizes at high stringency to a nucleic acid expressed in the human placenta.
- 15 16. A single exon nucleic acid probe as claimed in any one of claims 13 to 15 wherein said single exon nucleic acid probe comprises between 15 and 25 contiguous nucleotides of said SEQ ID NO.
- 20 17. A single exon nucleic acid probe as claimed in any one of claims 13 to 15, wherein said probe is between 3 25 kb in length.
- 18. A single exon nucleic acid probe as claimed in any one of claims 13 17, wherein said probe is DNA, RNA or PNA.
  - 19. A single exon nucleic acid probe as claimed in any one of claims 13 18, wherein said probe is detectably labeled.

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- 20. A single exon nucleic acid probe as claimed in any one of claims 13 19, wherein said probe lacks prokaryotic and bacteriophage vector sequence.
- 35 21. A single exon nucleic acid probe as claimed in any one

of claims 13 - 20, wherein said probe lacks homopolymeric stretches of A or T.

- 22. A method of measuring gene expression in a sample derived from human placenta, comprising:
  - contacting the microarray of claim 12, with a first collection of detectably labeled nucleic acids, said first collection of nucleic acids derived from mRNA of human placenta; and then
- measuring the label detectably bound to each probe of said microarray.
  - 23. A method of identifying exons in a eukaryotic genome, comprising:
- algorithmically predicting at least one exon from genomic sequence of said eukaryote; and then detecting specific hybridization of detectably labeled nucleic acids to a single exon probe,
- wherein said detectably labeled nucleic acids are derived
  from mRNA from the placenta of said eukaryote, said probe
  is a single exon probe having a fragment identical in
  sequence to, or complementary in sequence to, said
  predicted exon, said probe is included within a microarray
  according to claim 12, and said fragment is selectively
  hybridizable at high stringency.
  - 24. A method of assigning exons to a single gene, comprising:
- identifying a plurality of exons from genomic 30 sequence according to the method of claim 23; and then
  - measuring the expression of each of said exons in a plurality of tissues and/or cell types using hybridization to single exon microarrays having a probe with said exon,

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wherein a common pattern of expression of said exons in said plurality of tissues and/or cell types indicates that the exons should be assigned to a single gene.

- 5 25. A nucleic acid sequence as set out in any of SEQ ID NOs: 1 - 26,232 which encodes a peptide.
  - 26. A peptide encoded by a sequence as set out in any of SEQ ID Nos: 1 26,232.

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27. A peptide comprising a sequence as set out in any of SEQ ID Nos: 26,233 - 38,837.



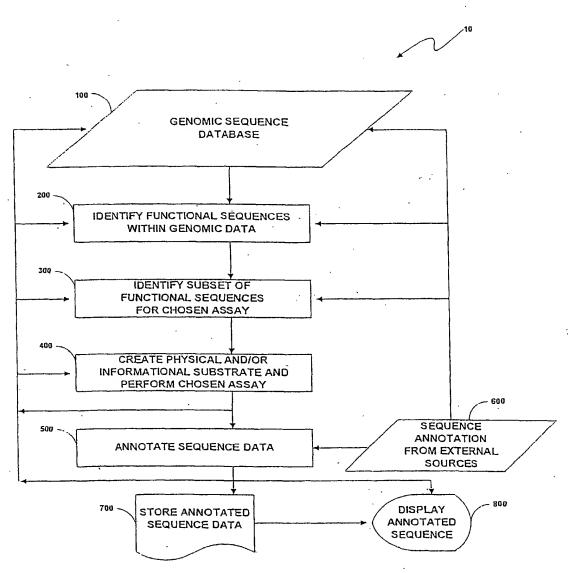


Fig. 1

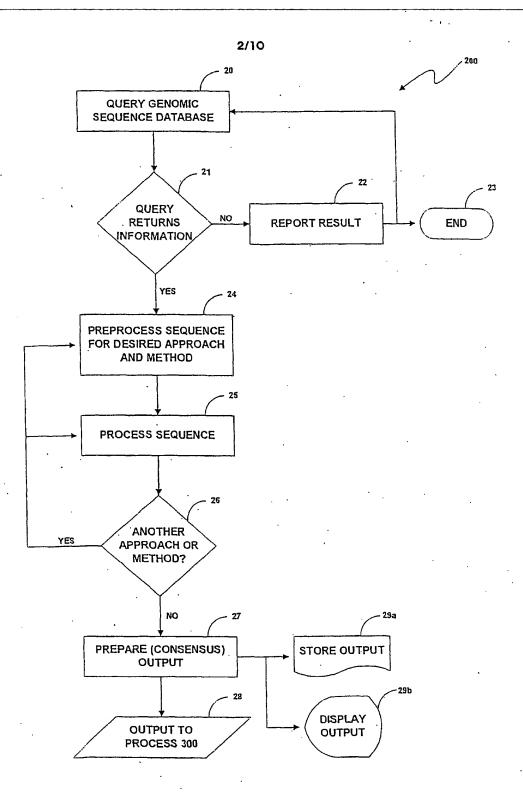


Fig. 2

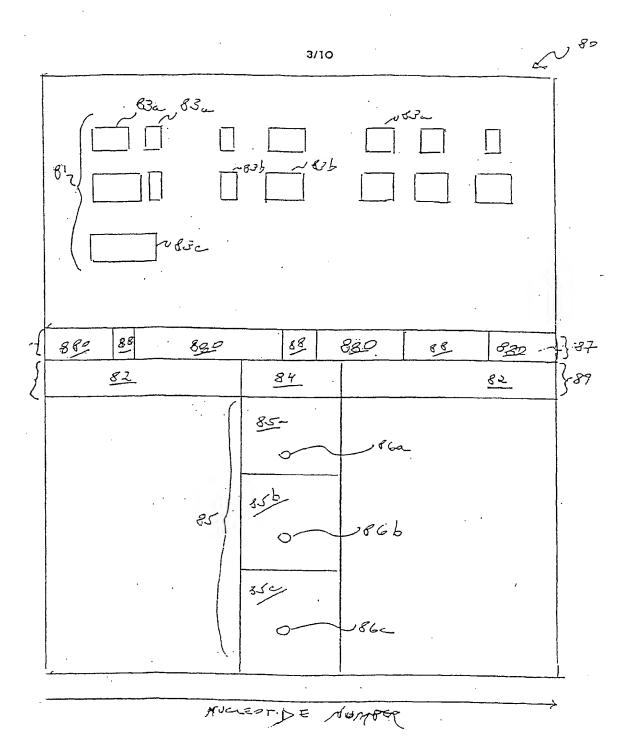


Fig. 3

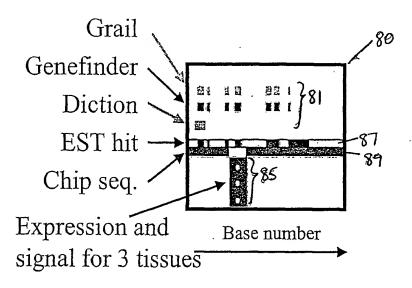


Fig. 4

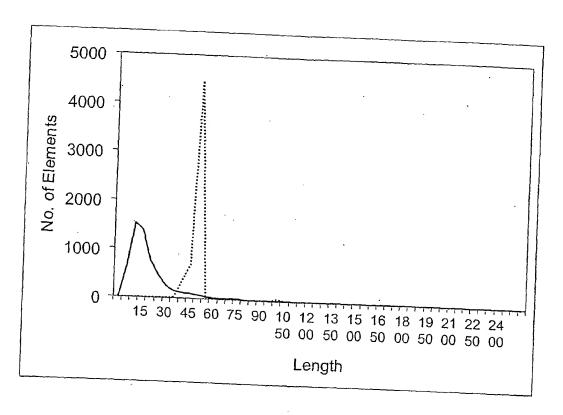


Fig. 5

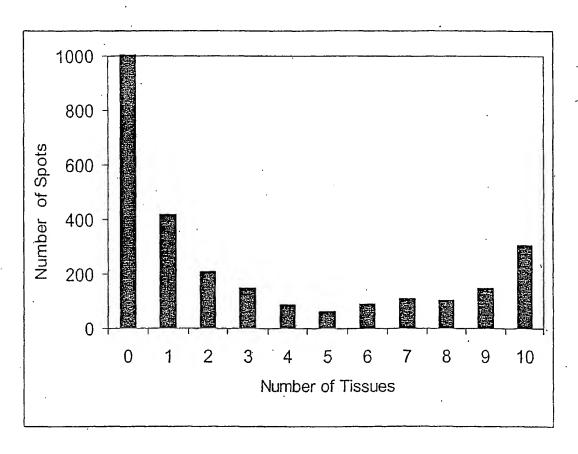
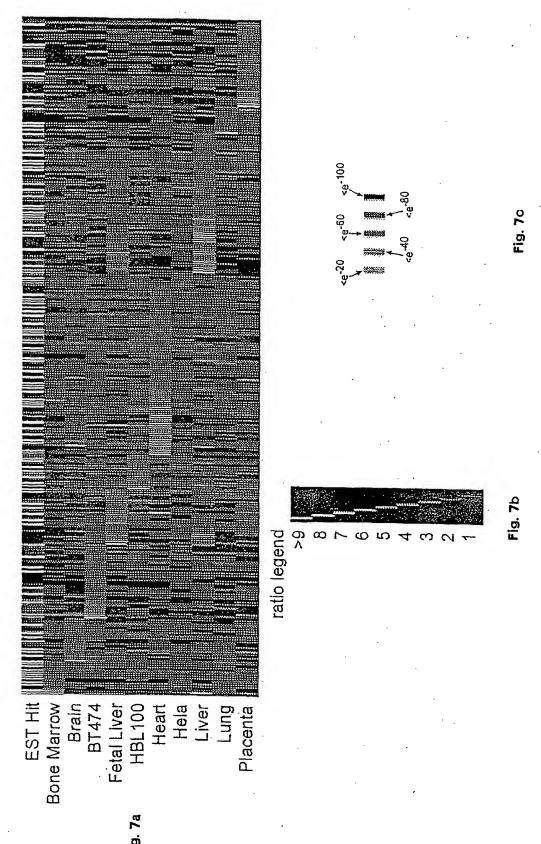
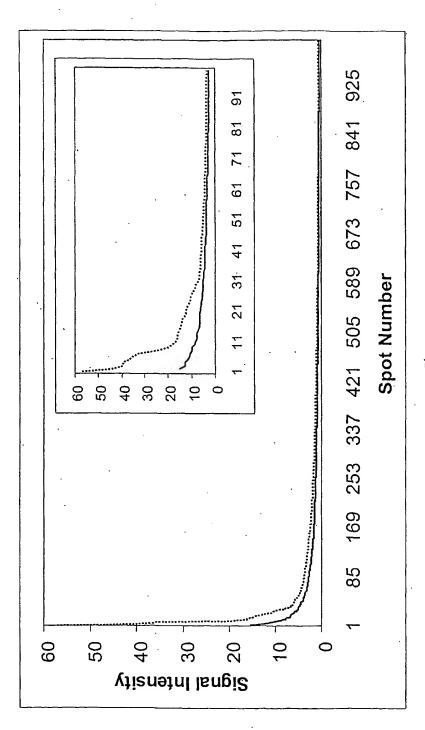


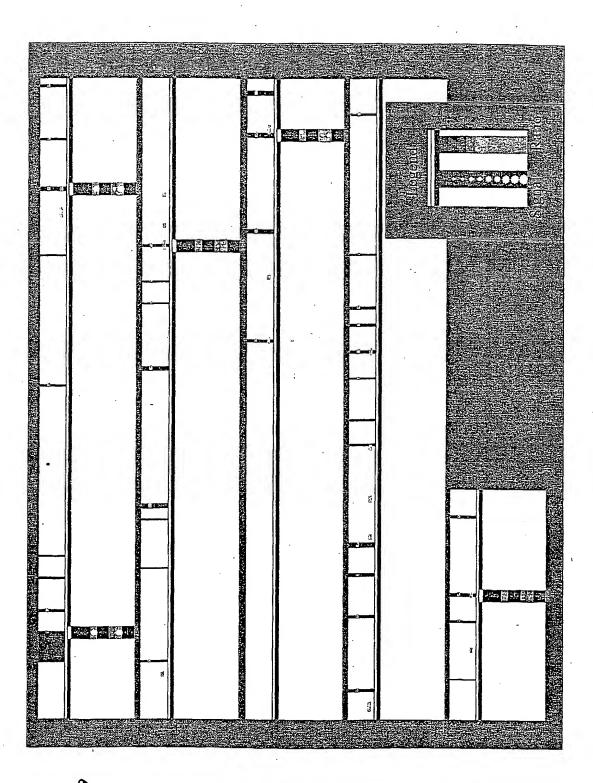
Fig. 6



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Fig. 10

